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Indexed Bibliography of Office of Research and Development Reports Updated to January 1975

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Mar 75

TECHNICAL REPORT DATA

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1. REPORT NO.
600/9-74-002

2.

3. RECIPIENT'S ACCESSION NO.

4. TITLE AND SUBTITLE
INDEXED BIBLIOGRAPHY OF OFFICE OF RESEARCH AND DEVELOPMENT REPORTS - UPDATED TO JANUARY 1975

5. REPORT DATE
March 1975

6. PERFORMING ORGANIZATION CODE
EPA/ORD

7. AUTHOR(S)
Publications Staff

8. PERFORMING ORGANIZATION REPORT NO.
600/9-74-002

9. PERFORMING ORGANIZATION NAME AND ADDRESS
U. S. Environmental Protection Agency - Wash, DC
Office of Research & Development
Washington, DC 20460

10. PROGRAM ELEMENT NO.
1RW103

11. CONTRACT/GRANT NO.
In-house

12. SPONSORING AGENCY NAME AND ADDRESS
Same

13. TYPE OF REPORT AND PERIOD COVERED
Bibliography, 1967-1974

14. SPONSORING AGENCY CODE
EPA 600/19

15. SUPPLEMENTARY NOTES

16. ABSTRACT

This bibliography is a current listing of the Office of Research & Development's final reports on in-house, grant, contract, and interagency projects. Reports are indexed by Title, Program Area (subject), Performing Organization, Personal Author, Report Number, and Grant, Contract, or Interagency Agreement Number to aid the reader in identifying reports of interest. Instructions on how to order copies of reports are on the inside of the front cover.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Bibliography Technical reports Research projects Corporate Authors Information retrieval Library science		05 02

18. DISTRIBUTION STATEMENT
Available to the Public

19. SECURITY CLASS *(This Report)*
Unclassified

20. SECURITY CLASS *(This page)*

21. NO. OF PAGES
302

22. PRICE
9.75-3.00

EPA Form 2220-1 (9-73)

EPA-600/9-74-002
March 1975

PB 263 591

Indexed Bibliography of Office of Research and Development Reports - Updated to January 1975

Office of Research and Development
U.S. Environmental Protection Agency
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by

PUBLICATIONS STAFF
Office of Program Management

U.S. Environmental Protection Agency
Office of Research and Development
Washington, D.C. 20460

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ATTENTION

This "Indexed Bibliography of ORD Reports—Updated to January 1975" lists all U.S. Environmental Protection Agency's Office of Research and Development Reports. In the future, supplementary bibliographies entitled "ORD Publications Summary" will be published quarterly.

The "ORD Publications Summary" will contain reports printed during the preceding 18 months; the first issue (which should be available in May 1975) will contain all report numbers assigned from July 1973 to the date of publication.

Each ORD Publication Summary will contain indices and a bibliography section as well as abstracts of new reports soon to be available. Each report abstract will appear only once, but the Bibliographic Section and indices will be cumulative. All names presently on the mailing list receiving this Indexed Bibliography will receive copies of the new publication "ORD Publications Summary."

SEE INSIDE OF FRONT COVER FOR "HOW TO ORDER" REPORTS

FOREWORD

This Office of Research and Development's (ORD's) bibliography of published reports is intended to provide a complete, current listing of ORD's final reports on in-house, grant, contract, and interagency projects. Reports have been indexed by Title, Program Area (subject), Performing Organization, Personal Author, Report Number, and Grant, Contract, or Interagency Agreement Number to aid the reader in identifying reports of interest. Instructions on how to order copies of reports are on the inside of the front cover. Comments on how this Bibliography would serve the reader more effectively would be appreciated.

Wilson K. Talley
Assistant Administrator for
Research and Development

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SERIES DESCRIPTION

The U.S. Environmental Protection Agency (EPA) was formed in late 1970 from programs in several executive agencies, i.e., the Department of Health, Education, and Welfare (air pollution, solid waste, radiation, water hygiene, and noise), the Department of the Interior (water pollution), and the Department of Agriculture (pesticide regulation).

In July 1972, EPA's Office of Research and Monitoring (now Office of Research and Development, ORD) established an office-wide series of designations within which each research report would be published. The series can be used to describe the general thrust of EPA research and development and also to aid in identifying the use for each report. The present numbering system and cover color for each report is keyed to this Series Description. In addition, ORD's research program has been categorized into 10 major Program Areas that serve to identify subject matter: these are described beginning on page vii.

SERIES 1 – ENVIRONMENTAL HEALTH EFFECTS RESEARCH (yellow covers)

Assigned to Series 1 are projects and studies relating to the tolerances of man for unhealthful substances or conditions, generally assessed from a medical viewpoint. In addition to toxicology and other medical specialties, study areas include physiological or psychological studies, and biomedical instrumentation and health research techniques utilizing animals—but always with intended application to human health protection.

SERIES 2 – ENVIRONMENTAL PROTECTION TECHNOLOGY (light blue covers)

Within Series 2 is research performed to develop and demonstrate instrumentation, equipment, and methodology to repair or prevent environmental degradation from point and nonpoint sources of pollution. This work provides the new or improved technology necessary to control and treat pollution sources so that environmental quality standards can be met.

SERIES 3 – ECOLOGICAL RESEARCH (light green covers)

In Series 3 are grouped the investigations on pollution effects on plant and animal species and on materials. Problems are assessed for their long- and short-term influences and studies include formation, transport, and pathway studies to determine the fate of pollutants and their effects. This work provides the basis for setting standards to minimize undesirable changes in living organisms in the aquatic, terrestrial, and atmospheric environments.

SERIES 4 – ENVIRONMENTAL MONITORING (gray covers)

Research conducted to develop new or improved methods and instrumentation for identifying and quantifying environmental pollutants is found in Series 4. Also included are studies to determine the ambient concentrations of pollutants in the environment, or the variance of pollutants as a function of time or meteorological factors, or both.

SERIES 5 – SOCIOECONOMIC ENVIRONMENTAL STUDIES (rust covers)

Included in Series 5 is research devoted to the socioeconomic impact of environmental problems, i.e., recycling and other recovery operations whose emphasis is on monetary incentives and nonscientific realms of legal systems, cultural values, and business systems. Because the interdisciplinary scope of system evaluations and environmental management, these reports are included in Series 5.

SERIES 6 – SCIENTIFIC AND TECHNICAL ASSESSMENT REPORTS (STAR) (dark blue covers)

In Series 6 are assessments of the available scientific and technical knowledge on major pollutants that would be helpful in regulatory decision making or assessments of a major area of completed study. The series is used to present objective evaluations of existing knowledge— evaluations that point out the extent to which it is definitive, the validity of the data on which it is based, and the uncertainties and gaps that may exist. (Most of the reports are multimedia in scope and focus on single media only to the extent warranted.)

SERIES 9 – MISCELLANEOUS (covers of various designs)

Series 9 is used for all reports issued by ORD not applicable to one of the series described above.

USERS' GUIDE

This volume contains a bibliographic section and six indices. Within each index, reports are cross-referenced to the Bibliographic Section by report number.

BIBLIOGRAPHIC SECTION

In the Bibliographic Section is a listing of reports published by EPA from its inception through December 1974. During this time, three different numbering systems have been used to identify reports; they appear as:

Report	Covering Period	Pages
600 Reports (e.g., EPA-670/2-74-006)	July 1973 to present	1-64
R Reports (e.g., EPA-R2-72-007a)	July 1972 to July 1973	64-97
WPCR Series Reports (e.g., 11010EGO01/71)	Before July 1972	97-137

The source of each report follows the bibliographic entry, and how to order instructions are given on the inside front cover.

In the 600 Series, the major ORD organizations (Headquarters; Washington Environmental Research Center (WERC); and National Environmental Research Centers (NERC) responsible for preparing the report can be identified:

600 = ORD Headquarters, RD-674 (Washington, DC 20460; 202/426-2175)
and WERC (Washington, DC 20460; 703/557-7484)
650 = NERC-RTP (Research Triangle Park, NC 27711; 919/549-8411)
660 = NERC-Corvallis (Corvallis, OR 97330; 503/752-4211, X. 440)
670 = NERC-Cincinnati (Cincinnati, OH 45268; 513/684-8258)
680 = NERC-Las Vegas (PO Box 15027, Las Vegas, NV 89114; 702/736-2969)

TITLE INDEX

All reports are listed alphabetically by title; "A," "An," and "The" have been dropped from the beginnings of titles.

PROGRAM AREA INDEX

This Program Area Index provides a broad subject-matter index; each report is listed once, alphabetically by title, under the Program Area concerned with the report's research. These Program Areas contain sub-areas called Program Elements; these are the numbers appearing in the second column of the Bibliographic Section (e.g., 1BB037 or 1101). Reports not falling within these Program Areas, such as bibliographies or annual reports, are listed under Miscellaneous Reports.

The objectives and responsibilities within each of the 10 Program Areas are:

HEALTH EFFECTS—assessing health hazards associated with environmental pollution from a number of media and categories including air, water, pesticides, radiation, and noise. Major program emphasis is devoted to evaluating, through community epidemiologic studies, the effects of exposure to common pollutants on sensitive health indicators and to assessing at the community level, the effects of pollutants on human physiology.

USERS'GUIDE

ECOLOGICAL PROCESSES AND EFFECTS-determining the effects of air and water pollutants on the structure and function of ecosystems and on biotic and abiotic subcomponents of these ecosystems. Programs on aquatic systems determine the acute and chronic effects of pollutants (e.g., temperature, pesticides, heavy metals) on life stages of fresh and marine water fish, invertebrates, and their food-chain organisms. Specific air pollutant studies include the effects of nitrogen oxides, sulfur oxides, hydrocarbons, and oxidants on representative terrestrial ecosystems. Also included are studies seeking alternative methods of pest control that have great specificity on target organisms and little or no effects on nontarget organisms.

MUNICIPAL POLLUTION CONTROL-developing and demonstrating technology applicable to controlling and treating wastewaters generated in and discharged from the urban environment. The entire urban drainage system is included, from sewer systems carrying stormwater and sewage (combined sewers) and from urban stormwater discharges.

INDUSTRIAL POLLUTION CONTROL-demonstrating the best practicable, best available, and zero pollution control technology (with emphasis on water reuse and product-by-product recovery) for manufacturing industries defined by the Standard Industrial Classification, Major Groups 19-39.

NONPOINT POLLUTION CONTROL-developing means to (1) predict and assess the impact of pollutants from nonpoint sources on waters from various land-use patterns; (2) determine the reduced pollutant load that results from implementing specific nonpoint source controls and the costs of achieving these reductions to meet established water quality standards; (3) establish limits of reasonable controllability for nonpoint sources; and (4) establish specific control guidelines for nonpoint sources.

Specific objectives include developing cost-effective, nonpoint management systems (with alternatives appropriate for various geographical and geological areas) for activities in: agriculture including forestry and logging operations; agricultural runoff; irrigation return flows; confined animal feeding; aquaculture and disposal of nonagricultural sludges; active mining operations and abandoned mining sites; hydrological modifications; and oil and hazardous material spills.

AIR POLLUTION CONTROL-ensuring the availability of control devices, processes, and approaches for control of air pollutants at their source. Currently, activity is in research and development of control technology in four principal areas: (1) sulfur oxides— historically, emissions from electric power generating plants; recently, from industrial combustion and process sources; (2) nitrogen oxides—in the area of combustion control and nitrogen oxide effluent treatment processes; (3) particulates—the need for fine particulate control technology and more economic conventional technologies; and (4) hazardous and other pollutants—those not included in the above three categories.

DATA AND INFORMATION RESEARCH-planning, coordinating, establishing, reviewing, and assessing research; and developing and demonstrating programs aimed at effective research information and data systems, including multimedia or multipollutant data analysis and special data handling and processing studies.

EQUIPMENT AND TECHNIQUES-developing methods and instrumentation for the detection, identification, and quantification of pollutants in all media at the lowest significant concentration. Included are state-of-the-art reviews, prototype instrumentation development, and pioneering research studies related to developing new or significantly improved analytical methods or instrumentation.

QUALITY ASSURANCE-planning, establishing, and coordinating an Agency-wide standardization and quality control program to ensure that environmental data produced by Federal, State, and local agencies are compatible, accurate, and legally defensible; and ensuring the selecting, standardizing, and publishing of procedures and methods for sampling and analyzing environmental pollutants.

SOCIOECONOMIC RESEARCH-developing and demonstrating analytical and management techniques required to implement Agency programs at the national, regional, and local levels. Interdisciplinary research is focused on the analysis of three general areas: (1) ecological impact—effects of various environmental policies and development of comprehensive environmental planning and management capability; (2) resources—economic aspects of environmental actions including cost-benefit, cost-risk benefit, and trade-off analysis; and (3) implementation and methods—developing forecasting capability to anticipate long-range impact of human and institutional activities on the environment.

PERFORMING ORGANIZATION INDEX

This is an alphabetical listing of the organizations that actually conduct ORD research projects. For grants or contracts, the organization is the grantee or contractor; for in-house reports, the organization is the EPA laboratory or office.

PERSONAL AUTHOR INDEX

The Personal Author Index lists alphabetically all authors of reports contained in the Bibliographic Section.

GRANT, CONTRACT, INTERAGENCY AGREEMENT NUMBER INDEX

This index contains a listing of ORD Contract, Grant, and Interagency Agreement numbers for which a final report has been produced. For each number listed the applicable report number is cross-referenced.

BIBLIOGRAPHIC SECTION

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600/2-73-001		**(No. Cancelled) ORDER FROM:** (No. Cancelled)
600/2-73-002	1BB034	**Portable Device for Measuring Wastewater Flow in Sewers** BY M. A. Nawrocki, Hittman Associates, Incorporated Columbus, MD **ORDER FROM: GPO-**EP1.23/2:600/2-73-002 $1.00 **NTIS-PB** 233 142
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600/2-74-004	1AB015	**Selected Characteristics of Hazardous Pollutant Emissions** BY L. J. Duncan, E. L. Keitz, and E. P. Krajeski, Mitre Corporation Washington, DC **ORDER FROM:** Pending
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600/2-74-006	1BB036	**Study of Feasibility of Herbicide Orange Chlorinolysis** BY E. A. Lavergne, Diamond Shamrock Corporation, T. R. Evans Research Center Painesville, OH **ORDER FROM:** Paul Des Rosiers 202 426-4170
600/2-74-007	1BB036	**Development of a Monthly Industrial Technology Bulletin** BY J. S. Murphy, and D. A. Sandoski, Franklin Institute Research Laboratory Philadelphia, PA **ORDER FROM:** Pending

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REPORT NO.	PE NO.	
600/2-74-008	1AB015	**Proceedings, Symposium Control of Fine-Particulate Emissions from Industrial Sources, January 15-18, 1974 San Francisco, CA** Air Pollution Control Division, ORD, EPA Washington, DC **ORDER FROM: NTIS-PB** 235 829 $13.00
600/2-74-009a	1BB036	**Effluents of the Inorganic Pesticide Industry** BY J. Patterson, Illinois Institute of Technology Chicago, IL **ORDER FROM:** Pending
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600/4-73-001a	1HA325	**Ground Water Pollution Features of Federal and State Laws and Regulations** BY F. Van Der Leeden, Geraghty and Miller, Incorporated Port Washington, NY General Electric Company, Center for Advanced Studies, TEMPO Santa Barbara, CA **ORDER FROM: NTIS-PB** 232 116/AS $4.75
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600/5-73-001	1HA094	**Economic Damages to Household Systems From Water Supply Use** BY D. P. Tihausky, Office of Research and Development, Implementation Research Division Environmental Protection Agency Washington, DC **ORDER FROM: GPO**-EP1.23/3:600/5-73-001 $1.30 **NTIS-PB** 235 716/AS $3.30
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R5-73-012	1RW103	**Bibliography of Research and Monitoring Research Reports** Office of Research and Development, Publications Branch, Research Information Division, EPA Washington, DC **ORDER FROM:** Replaced by Current Bibliography
R5-73-013	1611	**Northern Maine Regional Treatment System, The** BY J. A. Barresi, J. Gammon, and R. E. Hunter, Maine Regional Planning Commission, Northern Presque Isle, ME **ORDER FROM: GPO**-EP1.23/3:R5-73-013 $3.45 **NTIS-PB** 221 346

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R5-73-017	1HA094	**Cost Analysis of Water Pollution Control: An Annotated Bibliography** BY D. P. Tihansky, Office of Research and Development, Implementation Research Division, EPA Washington, DC **ORDER FROM: NTIS-PB** 221 146 $22.00
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R5-73-021	1HA093	**Energy Conservation Strategies** BY M. S. Seidel, S. E. Plotkin, and R. O. Reck, Office of Research and Development, Implementation Research Division, EPA Washington, DC **ORDER FROM: GPO-**EP1.23/3:R5-73-021 $1.55 **NTIS-PB** 224 493/AS $9.25
R5-73-022	1AA004	**1972 Survey and Assessment of Air Pollution Damage to Vegetation in New Jersey** BY E. J. Pell, Rutgers University New Brunswick, NJ **ORDER FROM: NTIS-PB** 223 089 $4.25
R5-73-023a	1BA030	**Capital and Operating Costs of Pollution Control Equipment Modules, Volume I: Users' Guide** BY H. C. Blecker, and T. W. Cadman, ICARUS Corporation Silver Spring, MD **ORDER FROM: GPO-**EP1.23/3:R5-73-023a $2.40 **NTIS-PB** 224 535/AS $4.90
R5-73-023b	1BA030	**Capital and Operating Costs of Pollution Control Equipment Modules, Volume II: Data Manual** BY H. C. Blecker, and T. M. Nichols, ICARUS Corporation Silver Spring, MD **ORDER FROM: GPO-**EP1.23/3:R5-73-023b $1.90 **NTIS-PB** 224 536/AS $3.90
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11010ESQ08/71	1101	**Design Guides for Biological Wastewater Treatment Process** Austin, City of Austin, TX Texas, University of, Center for Research in Water Resources Austin, TX **ORDER FROM: GPO** $1.75
11010EVE01/71	1101	**Evaluation of Conditioning and Dewatering Sewage Sludge by Freezing** Milwaukee, Sewerage Commission of the City of Milwaukee, WI **ORDER FROM: GPO** 70¢ **NTIS-PB** 213 122
11010FLQ03/71	1101	**Phosphorus Removal with Pickle Liquor in an Activated Sludge Plant** Milwaukee, Sewerage Commission of the City of Milwaukee, WI **ORDER FROM: GPO** $1.25 **NTIS-PB** 208 216
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11020---09/67	1102	**Demonstrate the Feasibility of the Use of Ultrasonic Filtration in Treating the Overflows from Combined and/or Storm Sewers** Acoustica Association, Incorporated Los Angeles, CA **ORDER FROM: NTIS-PB** 201 745 $3.00
11020---12/67	1102	**Problems of Combined Sewer Facilities and Overflows – 1967** American Public Works Association Chicago, IL **ORDER FROM: GPO** $1.00 **NTIS-PB** 214 469 $3.00
11020---05/68	1102	**Feasibility of a Stabilization-Retention Basin in Lake Erie at Cleveland, Ohio** Havens and Emerson Cleveland, OH **ORDER FROM: NTIS-PB** 195 083 $3.00
11020---06/69	1102	**Reduction in Infiltration by Zone Pumping** Hoffman and Fiske Lewiston, ID **ORDER FROM: NTIS-PB** 187 868 $3.00
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11020---03/70	1102	**Combined Sewer Overflow Seminar Papers** Federal Water Quality Administration, Storm and Combined Sewer Pollution Control Branch, Division of Applied Science and Technology Washington, DC **ORDER FROM: NTIS-PB** 199 361 $3.00
11020---02/71	1102	**Deep Tunnels in Hard Rock** Wisconsin, University of, College of Applied Science and Engineering and University Extension Milwaukee, WI **ORDER FROM: GPO** $1.75 **NTIS-PB** 210 854
11020DES06/69	1102	**Selected Urban Storm Water Runoff Abstracts** Franklin Institute Philadelphia, PA **ORDER FROM: NTIS-PB** 185 314 $3.00
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11020EKO10/69	1102	**Combined Sewer Separation Using Pressure Sewers** American Society of Civil Engineers Cambridge, MA **ORDER FROM: NTIS-PB** 188 511 $3.00
11020EXV07/69	1102	**Strainer/Filter Treatment of Combined Sewer Overflows** Fram Corporation East Providence, RI **ORDER FROM: NTIS-PB** 185 949 $3.00
11020FAL03/71	1102	**Evaluation of Storm Standby Tanks, Columbus, Ohio** Dodson, Kinney and Lindblom Columbus, OH **ORDER FROM: GPO** $1.50 **NTIS-PB** 202 236
11020FAQ03/71	1102	**Dispatching System for Control of Combined Sewer Losses** Metropolitan Sewer Board St. Paul, MN **ORDER FROM: GPO** $1.75 **NTIS-PB** 203 678
11020FDC01/72	1102	**Screening/Flotation Treatment of Combined Sewer Overflows** Rex Chainbelt, Incorporated, Ecology Division Milwaukee, WI **ORDER FROM: GPO** $1.50
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11022DMU07/70	1102	**Combined Sewer Regulator Overflow Facilities** American Public Works Association Chicago, IL **ORDER FROM: GPO** $1.50
11022DMU08/70	1102	**Combined Sewer Regulation and Management – A Manual of Practice** American Public Works Association Chicago, IL **ORDER FROM: GPO** $1.50 **NTIS-PB** 195 676
11022DPP10/70	1102	**Combined Sewer Temporary Underwater Storage Facility** Melpar, Incorporated Falls Church, VA **ORDER FROM: GPO** $1.75 **NTIS-PB** 197 669

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11022EFF12/70	1102	**Control of Infiltration and Inflow into Sewer Systems** American Public Works Association Chicago, IL **ORDER FROM: NTIS-PB** 200 827 $8.75
11022EFF01/71	1102	**Prevention and Correction of Excessive Infiltration and Inflow Into Sewer Systems – A Manual of Practice** American Public Works Association Chicago, IL **ORDER FROM: NTIS-PB** 203 208 $7.75
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11023DPI08/69	1102	**Rapid-Flow Filter for Sewer Overflows** Rand Development Corporation Cleveland, OH **ORDER FROM: NTIS-PB** 194 032 $3.00
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11023FDD07/71	1102	**Demonstration of Rotary Screening for Combined Sewer Overflows** Portland, City of, Department of Public Works Portland, OR **ORDER FROM: GPO** 65¢ **NTIS-PB** 20[illegible] 814
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11024---06/70	1102	**Combined Sewer Overflow Abatement Technology** Federal Water Quality Administraion, Storm and Combined Sewer Pollution Control Branch, Division of Applied Science and Technology Washington, DC **ORDER FROM: GPO** $2.50 **NTIS-PB** 193 939
11024DMS05/70	1102	**Engineering Investigation of Sewer Overflow Problems** Hayes, Seay, Mattern and Mattern Roanoke, VA **ORDER FROM: GPO** $2.00 **NTIS-PB** 195 201

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11024DOK02/70	1102	**Proposed Combined Sewer Control by Electrode Potential** Merrimack College Andover, MA **ORDER FROM: NTIS-PB** 195 169 **$3.00**
11024DQU10/70	1102	**Urban Runoff Characteristics** Cincinnati, University of Cincinnati, OH **ORDER FROM: GPO** $2.75 **NTIS-PB** 202 865
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11024ELB01/71	1102	**Storm and Combined Sewer Pollution Sources and Abatement, Atlanta, Ga.** Black, Crow and Eidsness, Incorporated Atlanta, GA **ORDER FROM: NTIS-PB** 201 725 $3.00
11024EQE06/71	1102	**Impregnation of Concrete Pipe** Southwest Research Institute San Antonio, TX **ORDER FROM: GPO** 75¢
11024EQG03/71	1102	**Storm Water Problems and Control in Sanitary Sewers, Oakland and Berkeley, California** Metcalf and Eddy Engineers Palo Alto, CA **ORDER FROM: GPO** $4.00 **NTIS-PB** 208 815
11024EXF08/70	1102	**Combined Sewer Overflow Abatement Alternatives, Washington, D.C.** BY R. F. Weston, Roy F. Weston, Incorporated West Chester, PA **ORDER FROM: GPO** $2.00 **NTIS-PB** 203 680
11024FJE04/71	1102	**Selected Urban Storm Water Runoff Abstracts, Third Quarterly Issue** Franklin Institute Research Laboratories Philadelphia, PA **ORDER FROM: GPO** 75¢
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11024FKJ10/70	1102	**In-Sewer Fixed Screening of Combined Sewer Overflows** Envirogenics Company, Division of Aerojet-General Corporation El Monte, CA **ORDER FROM: GPO** $1.25 **NTIS-PB** 213 118

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11024FKN11/69	1102	**Stream Pollution and Abatement from Combined Sewer Overflows, Bucyrus, Ohio** Burgess and Niple, Limited Columbus, OH **ORDER FROM: GPO** $2.00 **NTIS-PB** 195 162
11024FLY06/71	1102	**Heat Shrinkable Tubing as Sewer Pipe Joints** Western Company of North America Richardson, TX **ORDER FROM: GPO** $1.25 **NTIS-PB** 208 816
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11030DNS01/69	1103	**Water Pollution Aspects of Urban Runoff** American Public Works Association Chicago, IL **ORDER FROM: NTIS-PB** 215 532 $3.00
11034DUY03/72	1103	**Investigation of Porous Pavements for Urban Runoff Control** BY E. Thelen, W. C. Grover, A. J. Hoiberg, and T. I. Haigh, Franklin Institute Research Laboratories Philadelphia, PA **ORDER FROM: NTIS-PB** 227 516 $10.00
11034FKL07/70	1103	**Storm Water Pollution From Urban Land Activity** AVCO Economic Systems Corporation Washington, DC **ORDER FROM: NTIS-PB** 195 281 $20.25
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11060DPD02/71	1106	**Combined Treatment of Municipal Kraft Linerboard and Fiberboard Manufacturing Wastes** Macon, City of, Board of Water Commissioners Macon, GA Georgia Kraft Company Macon, GA Armstrong Cork Company Macon, GA **ORDER FROM: GPO** $1.25 **NTIS-PB** 208 215
11060EOC07/69	1106	**Joint Municipal and Semichemical Pulping Wastes** Erie, City of Erie, PA **ORDER FROM: GPO** $1.50 **NTIS-PB** 185 948
11060FAE11/69	1106	**Feasibility of Joint Treatment in a Lake Watershed** BY R. F. Weston, Roy F. Weston, Incorporated West Chester, PA **ORDER FROM: NTIS-PB** 201 698 $3.00
11060FAE04/71	1106	**Onondaga Lake Study** Onondaga County Syracuse, NY **ORDER FROM: GPO** $4.50 **NTIS-PB** 206 472
12000---07/71	1200	**Projects of the Industrial Pollution Control Branch** Industrial Pollution Control Branch, Applied Science and Technology, EPA Washington, DC **ORDER FROM: GPO** $2.50

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12010DIM08/70	1201	**Pyrite Depression by Reduction of Solution Oxidation Potential** Utah, University of Salt Lake City, UT **ORDER FROM: GPO** 70¢ **NTIS-PB** 200 257
12010DPF11/71	1201	**Brass Wire Mill Process Changes and Waste Abatement, Recovery and Reuse** Volco Brass and Copper Company Kenilworth, NJ **ORDER FROM: GPO** 55¢
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12010DTQ02/72	1201	**Combined Steel Mill and Municipal Wastewaters Treatment** National Steel Corporation, Weirton Steel Division Weirton, WV **ORDER FROM: GPO** $1.50 **NTIS-PB** 210 198
12010DUL02/71	1201	**Limestone Treatment of Rinse Waters from Hydrochloric Acid Pickling of Steel** Armco Steel Corporation Middletown, OH **ORDER FROM: GPO** $1.50 **NTIS-PB** 202 233
12010EIE11/68	1201	**State of the Art Review of Metal Finishing Waste Treatment** Battelle Memorial Institute Columbus, OH **ORDER FROM: GPO** $1.00 **NTIS-PB** 203 207
12010EIE03/71	1201	**Investigation of Techniques for Removal of Chromium from Electroplating Wastes** Battelle Memorial Institute Columbus, OH **ORDER FROM: NTIS-PB** 215 694 $6.75
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12010EZV02/70	1201	**Treatment of Waste Water-Waste Oil Mixtures** Armco Steel Corporation Middletown, OH **ORDER FROM: NTIS-PB** 195 161 $1.45 microfiche
12020---02/70	1202	**Petrochemical Effluents Treatment Practices – Summary** Engineering-Sciences, Incorporated/Texas Austin, TX **ORDER FROM: NTIS-PB** 192 310 $3.00
12020DIS01/72	1202	**Anaerobic Treatment of Synthetic Organic Wastes** BY J. C. Hovious, J. A. Fisher, and R. A. Conway, Union Carbide Corporation South Charleston, WV **ORDER FROM: GPO** $1.75 **NTIS-PB** 211 130
12020DJI06/71	1202	**Wastewater Treatment Facilities for a Polyvinyl Chloride Production Plant** B. F. Goodrich Chemical Company Cleveland, OH **ORDER FROM: GPO** $1.00 **NTIS-PB** 211 464
12020DQC03/71	1202	**Polymeric Materials for Treatment and Recovery of Petrochemical Wastes** Gulf South Research Institute New Orleans, LA **ORDER FROM: GPO** 70¢ **NTIS-PB** 201 699
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12040DLQ08/71	1204	**Slime Growth Evaluation of Treated Pulp Mill Waste** Oregon State University, Department of Microbiology Corvallis, OR **ORDER FROM: GPO** 60¢
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12040ELW12/70	1204	**Aerated Lagoon Treatment of Sulfite Pulping Effluents** Crown Zellerbach Corporation Lebanon, OR **ORDER FROM: GPO** $1.25 **NTIS-PB** 208 212
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12060---07/69	1206	**Secondary Treatment of Potato Processing Wastes** Pacific Northwest Water Laboratory, Water Quality Office, EPA Corvallis, OR **ORDER FROM: NTIS-PB** 202 234 $6.50
12060---10/69	1206	**Current Practice in Potato Processing Waste Treatment** Washington, University of Seattle, WA **ORDER FROM: GPO** $1.00 **NTIS-PB** 189 232
12060---04/70	1206	**Proceedings First National Symposium on Food Processing Wastes** National Canners Association Berkeley, CA Northwest Food Processors Association Portland, OR Agriculture, U.S. Department of Albany, CA Federal Water Quality Administration Corvallis, OR **ORDER FROM: NTIS-PB** 199 709 $23.00
12060---08/70	1206	**Waste Reduction in Food Canning Operations** National Canners Association Berkeley, CA **ORDER FROM: GPO** $1.00 **NTIS-PB** 198 231
12060---10/70	1206	**Treatment of Citrus Processing Wastes** Coca-Cola Company, Foods Division Orlando, FL **ORDER FROM: GPO** $2.75 **NTIS-PB** 202 238
12060---03/71	1206	**Proceedings Second National Symposium on Food Processing Wastes** Pacific Northwest Water Laboratory, EPA Corvallis, OR National Canners Association Washington, DC **ORDER FROM: GPO** $4.50
12060DSB09/71	1206	**Demonstration of a Full-Scale Waste Treatment System for a Cannery** BY L. E. Streebin, G. W. Reid, and A. C. H. Hu, Oklahoma, University of Norman, OK **ORDER FROM: GPO** $1.50 **NTIS-PB** 215 416

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12060DSI07/71	1206	**State-of-Art, Sugarbeet Processing Waste Treatment** Beet Sugar Development Foundation Fort Collins, CO **ORDER FROM: GPO** $1.25 **NTIS-PB** 207 646
12060DXF07/71	1206	**Membrane Processing of Cottage Cheese Whey for Pollution Abatement** Crowley's Milk Company Binghamton, NY **ORDER FROM: GPO** $1.25 **NTIS-PB** 209 936
12060DXL01/71	1206	**Reduction of Salt Content of Food Processing Liquid Waste Effluent** National Canners Association Berkeley, CA **ORDER FROM: GPO** 55¢ **NTIS-PB** 203 963
12060EAE09/71	1206	**Trickling Filter Treatment of Fruit Processing Waste Waters** National Canners Association Berkeley, CA **ORDER FROM: GPO** 50¢ **NTIS-PB** 210 586
12060ECF04/70	1206	**Current Practice in Seafoods Processing Waste Treatment** Oregon State University Corvallis, OR **ORDER FROM: NTIS-PB** 202 232 $3.00
12060EDK08/71	1206	**Liquid Wastes from Canning and Freezing Fruits and Vegetables** National Canners Association Berkeley, CA **ORDER FROM: GPO** $1.50 **NTIS-PB** 209 941
12060EDZ08/71	1206	**Pilot Plant Installation for Fungal Treatment of Vegetable Canning Wastes** Green Giant Company Le Suer, MN **ORDER FROM: GPO** $1.00 **NTIS-PB** 208 206
12060EGU03/71	1206	**Dairy Food Plant Wastes and Waste Treatment Practices** Ohio State University, Department of Dairy Technology Columbus, OH **ORDER FROM: NTIS-PB** 231 372 $10.75
12060EHT07/70	1206	**Use of Fungi Imperfecti in Waste Control** North Star Research and Development Institute Minneapolis, MN **ORDER FROM: GPO** $1.00 **NTIS-PB** 202 231
12060EHU03/71	1206	**Reconditioning of Food Processing Brines** National Canners Association Berkeley, CA **ORDER FROM: GPO** 75¢ **NTIS-PB** 212 394
12060EHV12/70	1206	**Aerobic Secondary Treatment of Potato Processing Wastes** R. T. French Company Shelley, ID **ORDER FROM: GPO** $1.50 **NTIS-PB** 200 623
12060EZP09/70	1206	**Cannery Waste Treatment Kehr Activated Sludge** FMC Corporation Santa Clara, CA **ORDER FROM: GPO** 70¢ **NTIS-PB** 199 071
12060EZY08/71	1206	**Complete Mix Activated Sludge Treatment of Citrus Process Wastes** Winter Garden Citrus Products Cooperative Winter Garden, FL **ORDER FROM: GPO** $1.25 **NTIS-PB** 210 407
12060FAD10/69	1206	**Aerobic Treatment of Fruit Processing Wastes** Snokist Growers Yakima, WA **ORDER FROM: NTIS-PB** 188 506 $3.00
12060FDS11/71	1206	**Elimination of Water Pollution by Packing-house Animal Paunch and Blood** Beefland International, Incorporated Council Bluffs, IA **ORDER FROM: GPO** 50¢ **NTIS-PB** 211 023
12060FQE12/70	1206	**Dry Caustic Peeling of Tree Fruit for Liquid Waste Reduction** National Canners Association Berkeley, CA **ORDER FROM: GPO** 60¢ **NTIS-PB** 208 209

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12080EZF09/70	1208	**Phenolic Water Reuse by Diatomite Filtration** Johns-Manville Products Corporation Manville, NJ **ORDER FROM: GPO** $1.25 **NTIS-PB** 199 069
12090DWM01/71	1209	**Bio-Regenerated Activated Carbon Treatment of Textile Dye Wastewater** Fram Corporation Providence, RI **ORDER FROM: GPO** $1.00 **NTIS-PB** 203 599
12090ECS02/71	1209	**State of the Art of Textile Waste Treatment** Clemson University Clemson, SC **ORDER FROM: GPO** $2.50 **NTIS-PB** 212 359
12090EOE01/72	1209	**Water Pollution Reduction Through Recovery of Desizing Wastes** North Carolina State University, Department of Textile Chemistry Raleigh, NC **ORDER FROM: GPO** 60¢ **NTIS-PB** 211 245
12090ESG01/71	1209	**Zinc Precipitation and Recovery from Viscose Rayon Wastewater** American Enka Company Enka, NC **ORDER FROM: GPO** $1.00 **NTIS-PB** 205 205
12090EUX10/70	1209	**Reuse of Chemical Fiber Plant Wastewater and Cooling Water Blowdown** Fiber Industries, Incorporated Charlotte, NC Davis and Floyd Engineers, Incorporated Greenwood, SC **ORDER FROM: GPO** 70¢ **NTIS-PB** 200 695
12120---09/69	1212	**Activated Sludge Treatment of Chrome Tannery Wastes** A. C. Lawrence Company Peabody, MA **ORDER FROM: GPO** $2.00 **NTIS-PB** 186 158
12120---09/70	1212	**Treatment of Sole Leather Vegetable Tannery Wastes** BY J. D. Eye, Cincinnati, University of Cincinnati, OH **ORDER FROM: GPO** $1.25 **NTIS-PB** 199 068
12120DIK12/70	1212	**Anaerobic-Aerobic Lagoon Treatment for Vegetable Tanning Wastes** Virginia, University of Charlottesville, VA **ORDER FROM: GPO** $1.00 **NTIS-PB** 202 235
12120ERC08/69	1212	**Disposal of Wastes from Water Treatment Plants** American Water Works Association Research Foundation New York, NY **ORDER FROM: NTIS-PB** 186 157 $3.00
12120ESW06/71	1212	**Magnesium Carbonate, A Recycled Coagulant for Water Treatment** Gainesville, City of, Department of Public Utilities Gainesville, FL **ORDER FROM: GPO** $1.00 **NTIS-PB** 209 938
12120EUR11/71	1212	**Information Resource: Water Pollution Control in the Water Utility Industry** American Water Works Association Research Foundation New York, NY **ORDER FROM: GPO** $1.50 **NTIS-PB** 209 860
12120FYF03/72	1212	**Fluidized-Bed Incineration of Selected Carbonaceous Industrial Wastes** Battelle Columbus Laboratories Columbus, OH **ORDER FROM: GPO** $1.00 **NTIS-PB** 211 161
12130DUJ09/71	1213	**Whey Effluent Packed Tower Trickling Filtration** Quirk, Lawler and Matusky Engineers Tappan, NY Walton, Village of Walton, NY **ORDER FROM: GPO** $1.50 **NTIS-PB** 210 408
12130EDX07/70	1213	**Joint Treatment of Municipal Sewage and Pulp Mill Effluents** Green Bay Metropolitan Sewerage District Green Bay, WI **ORDER FROM: GPO** $6.00
12130EGK06/71	1213	**Biological Treatment of Chlorophenolic Wastes** Jacksonville, City of Jacksonville, AR **ORDER FROM: GPO** $1.50 **NTIS-PB** 206 813

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12130EZR05/71	1213	**Combined Treatment of Domestic and Industrial Wastes by Activated Sludge** Dallas, City of Dallas, TX **ORDER FROM: GPO** $1.25 **NTIS-PB** 205 206
12130FJQ06/71	1213	**Pollution Abatement and By-Product Recovery in Shellfish and Fisheries Processing** Food, Chemical and Research Laboratories, Incorporated Seattle, WA Engineering-Science of Alaska Anchorage, AK **ORDER FROM: GPO** $1.00 **NTIS-PB** 208 214
13010---02/70	1301	**Industrial Waste Guide on Logging Practices** FWPCA, Northwest Region Portland, OR **ORDER FROM: NTIS-PB** 207 644 $3.00
13010EGA02/71	1301	**Studies on Effects of Watershed Practices on Streams** Oregon State University Corvallis, OR **ORDER FROM: GPO** $1.50
13020---07/71	1302	**Agricultural Pollution of the Great Lakes Basin** Canada, Government of U.S., Government of EPA, Washington, DC **ORDER FROM: GPO** $1.50 **NTIS-PB** 206 906
13020DGX08/71	1302	**Role of Animal Wastes in Agricultural Land Runoff** North Carolina State University, School of Agricultural and Life Sciences Raleigh, NC **ORDER FROM: GPO** $1.25 **NTIS-PB** 209 213
13020DPB08/71	1302	**Management of Nutrients on Agricultural Land for Improved Water Quality** Cornell University, Department of Agronomy, College of Agriculture and Life Sciences Ithaca, NY **ORDER FROM: GPO** $1.25 **NTIS-PB** 209 858
13030---05/69	1303	**Characteristics and Pollution Problems of Irrigation Return Flow** Utah State University Foundation Logan, UT **ORDER FROM: NTIS-PB** 204 817 $3.00
13030---11/71	1303	**Research Needs for Irrigation Return Flow Quality Control** BY G. V. Skogerboe, and J. P. Law, Colorado State University Fort Collins, CO Robert S. Kerr Water Research Center, EPA Ada, OK **ORDER FROM: GPO** $1.00 **NTIS-PB** 219 979
13030DYY06/69	1303	**Water Quality Management Problems in Arid Regions** Robert S. Kerr Water Research Center, Federal Water Quality Administration Ada, OK **ORDER FROM: NTIS-PB** 198 125 $3.00
13030ELY12/69	1303	**Collected Papers Regarding Nitrates in Agricultural Waste Waters** Federal Water Quality Administration San Francisco, CA Reclamation, U.S. Bureau of Sacramento, CA California Department of Water Resources San Joaquin Valley, CA **ORDER FROM: GPO** $1.50 **NTIS-PB** 197 595
13030ELY04/71–07	1303	**Removal of Nitrate by an Algal System** California Departmrnt of Water Resources San Joaquin Valley, CA **ORDER FROM: GPO** $1.25 **NTIS-PB** 205 425 $3.00
13030ELY04/71–08	1303	**Denitrification by Anaerobic Filters and Ponds** Robert S. Kerr Water Research Center, EPA Ada, OK **ORDER FROM: GPO** 75¢ **NTIS-PB** 213 719
13030ELY05/71–03	1303	**Nutrients from Tile Drainage Systems** California Department of Water Resources San Joaquin Valley, CA **ORDER FROM: GPO** $1.00 **NTIS-PB** 216 552

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13030ELY05/71-06	1303	**Removal of Nitrogen from Tile Drainage – A Summary Report** California Department of Water Resources San Joaquin Valley, CA Robert S. Kerr Water Research Center, EPA Ada, OK **ORDER FROM: GPO** 50¢ **NTIS-PB** 215 417
13030ELY05/71-12	1303	**Desalination of Agricultural Tile Drainage** Robert S. Kerr Water Research Center, EPA Ada, OK **ORDER FROM: GPO** $1.00 **NTIS-PB** 213 890
13030ELY06/71-10	1303	**Techniques to Reduce Nitrogen in Drainage Effluent During Transport** Reclamation, U.S. Bureau of, Region II Sacramento, CA **ORDER FROM: GPO** 60¢
13030ELY06/71-13	1303	**Removal of Nitrate by an Algal System – Phase II** California Department of Water Resources San Joaquin Valley, CA **ORDER FROM: GPO** $2.10
13030ELY06/71-14	1303	**Denitrification by Anaerobic Filters and Ponds – Phase II** Robert S. Kerr Water Research Center, EPA Ada, OK **ORDER FROM: GPO** $1.00
13030ELY08/71-09	1303	**Effects of Agricultural Waste Water Treatment on Algal Bioassay Response** Water Quality Office, EPA San Francisco, CA **ORDER FROM: GPO** $1.00 **NTIS-PB** 213 891
13030ELY05/72-11	1303	**Possibility of Reducing Nitrogen in Drainage Water by On Farm Practices** U.S. Bureau of Reclamation Sacramento, CA **ORDER FROM: GPO** $1.25 **NTIS-PB** 221 482
13030GJS12/71	1303	**National Irrigation Return Flow Research and Development Program** BY J. P. Law, Robert S. Kerr Water Research Center, EPA Ada, OK **ORDER FROM: GPO** 40¢ **NTIS-PB** 209 857
13040---07/68	1304	**Pollution Implications of Animal Wastes – A Forward Oriented Review** BY R. C. Loehr, Cornell University Ithaca, NY **ORDER FROM: NTIS-PB** 204 818 $3.00
13040DEM01/71	1304	**Characteristics of Wastes from Southwestern Cattle Feedlots** Texas Technical University Lubbock, TX **ORDER FROM: GPO** $1.25 **NTIS-PB** 209 214
13040DKP06/71	1304	**Closed System Waste Management for Livestock** BY P. O. Ngoddy, J. P. Harper, F. A. Heidar, R. K. Collins, and G. D. Wells, Michigan State University East Lansing, MI **ORDER FROM: GPO** $1.25 **NTIS-PB** 211 022
13040EYX11/69	1304	**Agricultural Practices and Water Quality** Iowa State University Ames, IA **ORDER FROM: NTIS-PB** 199 828 $3.00
13040FXG11/71	1304	**Evaluation of Beef Cattle Feedlot Waste Management Alternatives** BY A. F. Butchbaker, J. E. Garton, G. W. A. Mahoney, and M. D. Paine, Oklahoma State University Stillwater, OK **ORDER FROM: GPO** $2.50 **NTIS-PB** 211 242
14010---06/70	1401	**Oxygenation of Ferrous Iron** Harvard University Cambridge, MA **ORDER FROM: GPO** $1.75 **NTIS-PB** 189 233
14010DAY06/71	1401	**Inorganic Sulfur Oxidation by Iron-Oxidizing Bacteria** Syracuse University Syracuse, NY **ORDER FROM: GPO** $1.25 **NTIS-PB** 213 006

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14010DDH08/71	1401	**Control of Mine Drainage from Coal Mine Mineral Wastes – Phase I – Hydrology and Related Experiments** Truax-Traer Coal Company Pinckneyville, IL **ORDER FROM: GPO** $1.25 **NTIS-PB** 206 194
14010DEE12/70	1401	**Treatment of Acid Mine Drainage** Horizons, Incorporated Cleveland, OH **ORDER FROM: GPO** $1.00 **NTIS-PB** 197 470
14010DII05/71	1401	**Rotary Precoat Filtration of Sludge from Acid Mine Drainage Neutralization** Johns-Manville Products Corporation Manville, NJ **ORDER FROM: GPO** $1.25 **NTIS-PB** 203 190
14010DKN11/70	1401	**Microbial Factor in Acid Mine Drainage Formation** Mellon Institute, Carnegie-Mellon University Pittsburgh, PA **ORDER FROM: GPO** 70¢ **NTIS-PB** 196 113
14010DLC11/69	1401	**Sulfide Treatment of Acid Mine Drainage** Bituminous Coal Research, Incorporated Monroeville, PA **ORDER FROM: NTIS-PB** 187 866 $3.00
14010DLI02/71	1401	**Silicate Treatment for Acid Mine Drainage Prevention** Tyco Laboratories, Incorporated Waltham, MA **ORDER FROM: GPO** $1.00 **NTIS-PB** 198 427
14010DMO03/70	1401	**New Mine Sealing Techniques for Water Pollution Abatement** Halliburton Company Duncan, OK **ORDER FROM: GPO** $1.50 **NTIS-PB** 196 736
14010DMO03/70-A	1401	**Investigative Mine Survey of a Small Watershed** Halliburton Company Duncan, OK **ORDER FROM: GPO** $2.00 **NTIS-PB** 196 110
14010DRB05/71	1401	**Flocculation and Clarification of Mineral Suspensions** Minnesota, University of Minneapolis, MN **ORDER FROM: GPO** $1.25 **NTIS-PB** 206 238
14010DRZ02/71	1401	**Purification of Mine Water by Freezing** Applied Science Laboratories, Incorporated State College, PA **ORDER FROM: GPO** 70¢ **NTIS-PB** 213 121
14010DYG08/71	1401	**Acid Mine Waste Treatment Using Reverse Osmosis** Gulf Environmental Systems Company San Diego, CA **ORDER FROM: GPO** $1.00 **NTIS-PB** 202 228
14010DYH12/71	1401	**Neutradesulfating Treatment Process for Acid Mine Drainage** Catalytic, Incorporated Philadelphia, PA **ORDER FROM: GPO** $1.00 **NTIS-PB** 213 720
14010DYI02/71	1401	**Evaluation of a New Acid Mine Drainage Treatment Process** Black, Sivalls and Bryson, Incorporated Pittsburgh, PA **ORDER FROM: GPO** $1.50 **NTIS-PB** 202 571
14010DYK03/70	1401	**Treatment of Acid Mine Drainage by Reverse Osmosis** Rex Chainbelt, Incorporated Milwaukee, WI Pennsylvania, Commonwealth of Harrisburg, PA **ORDER FROM: GPO** 55¢ **NTIS-PB** 195 200
14010DZM08/70	1401	**Feasibility Study of Mining Coal in an Oxygen Free Atmosphere** Island Creek Coal Company Holden, WV Cyrus Wm. Rice Division, NUS Corporation Pittsburgh, PA **ORDER FROM: GPO** $1.50 **NTIS-PB** 197 446
14010ECC08/71	1401	**Effects of Various Gas Atmospheres on the Oxidation of Coal Mine Pyrites** Cyrus Wm. Rice Division, NUS Corporation Pittsburgh, PA **ORDER FROM: GPO** $1.25 **NTIS-PB** 203 679

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14010EFK06/72	1401	**Use of Latex as a Soil Sealant to Control Acid Mine Drainage** Uniroyal, Incorporated Wayne, NJ **ORDER FROM: GPO** $1.00 **NTIS-PB** 213 040
14010EGJ11/69	1401	**Effects of Antibacterial Agents on Mine Drainage** MSA Research Corporation Evans, PA Pennsylvania Department of Mines and Mineral Industries Harrisburg, PA **ORDER FROM: NTIS-PB** 191 215 $3.00
14010EHN04/71	1401	**Detection of Abandoned Underground Coal Mines by Geophysical Methods** HRB-Singer, Incorporated State College, PA **ORDER FROM: GPO** $1.00 **NTIS-PB** 211 554
14010EIZ01/70	1401	**Limestone Treatment of Acid Mine Drainage** Bituminous Coal Research, Incorporated Monroeville, PA **ORDER FROM: GPO** $1.25 **NTIS-PB** 195 282
14010EIZ12/71	1401	**Studies of Limestone Treatment of Acid Mine Drainage – Part II** Bituminous Coal Research, Incorporated Monroeville, PA **ORDER FROM: GPO** $1.25 **NTIS-PB** 208 326
14010EJE12/71	1401	**Mine Spoil Potentials for Water Quality and Controlled Erosion** West Virginia University, College of Agriculture and Forestry Morgantown, WV **ORDER FROM: GPO** $1.75 **NTIS-PB** 208 817
14010EJT09/71	1401	**Studies on Densification of Coal Mine Drainage Sludge** Bituminous Coal Research, Incorporated Monroeville, PA **ORDER FROM: GPO** $1.25 **NTIS-PB** 203 189
14010EMS09/69	1401	**Bulk Transport of Waste Slurries to Inland and Ocean Disposal Sites – Vol. I** Bechtel Corporation San Francisco, CA **ORDER FROM: NTIS-PB** 189 757 $3.00
14010EMS09/69	1401	**Bulk Transport of Waste Slurries to Inland and Ocean Disposal Sites – Vol. II** Bechtel Corporation San Francisco, CA **ORDER FROM: NTIS-PB** 189 758 $3.00
14010EMS09/69	1401	**Bulk Transport of Waste Slurries to Inland and Ocean Disposal Sites – Vol. III** Bechtel Corporation San Francisco, CA **ORDER FROM: NTIS-PB** 189 759 $3.00
14010EMS09/69	1401	**Bulk Transport of Waste Slurries to Inland and Ocean Disposal Sites – Summary** Bechtel Corporation San Francisco, CA **ORDER FROM: NTIS-PB** 189 756 $3.00
14010ENW09/71	1401	**Microbiological Treatment of Acid Mine Drainage Waters** Continental Oil Company Ponca City, OK **ORDER FROM: GPO** $1.00 **NTIS-PB** 206 231
14010ETV08/70	1401	**Neutralization of High Ferric Iron Acid Mine Drainage** BY R. C. Wilmoth, and R. D. Hill, Federal Water Quality Administration Cincinnati, OH **ORDER FROM: GPO** 50¢ **NTIS-PB** 192 087
14010EXA03/71	1401	**Pilot Scale Study of Acid Mine Drainage** Ohio State University Columbus, OH **ORDER FROM: GPO** $1.00 **NTIS-PB** 214 771
14010FBZ09/71	1401	**Concentrated Mine Drainage Disposal Into Sewage Treatment Systems** Environmental Research and Applications, Incorporated Wilton, CT **ORDER FROM: GPO** 75¢ **NTIS-PB** 213 042

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14010FII03/71	1401	**Evaluation of Pyritic Oxidation by Nuclear Methods** Carnegie-Mellon University, Mellon Institute Pittsburgh, PA **ORDER FROM: GPO** 50¢ **NTIS-PB** 198 523
14010FJX12/71	1401	**Dewatering of Mine Drainage Sludge** West Virginia University, Coal Research Bureau Morgantown, WV **ORDER FROM: GPO** $1.00 **NTIS-PB** 208 347
14010FKK12/70	1401	**Underground Coal Mining Methods to Abate Water Pollution** West Virginia University Morgantown, WV **ORDER FROM: GPO** 60¢ **NTIS-PB** 214 697
14010FLW07/70	1401	**Feasibility Study Manual – Mine Water Pollution Control Demonstrations** Federal Water Quality Administration Washington, DC **ORDER FROM: GPO** 65¢ **NTIS-PB** 197 594
14010FMH12/70	1401	**Treatment of Acid Mine Drainage by Ozone Oxidation** Atomic Energy Commission Upton, NY Brookhaven National Laboratories Upton, NY Associated Universities, Incorporated Upton, NY **ORDER FROM: GPO** $1.00 **NTIS-PB** 198 225
14010FNQ02/72	1401	**Electrochemical Treatment of Acid Mine Waters** Tyco Laboratories, Incorporated Waltham, MA **ORDER FROM: GPO** $1.00 **NTIS-PB** 208 820
14010FOA02/71	1401	**Carbonate Bonding of Coal Refuse** Black, Sivalls and Bryson, Incorporated Pittsburgh, PA **ORDER FROM: GPO** 60¢ **NTIS-PB** 198 230
14010FPR04/71	1401	**Acid Mine Drainage Formation and Abatement** Ohio State University Research Foundation Columbus, OH **ORDER FROM: NTIS-PB** 199 835 $3.00
14010FPS02/70	1401	**Sulfide to Sulfate Reaction Mechanism** Ohio State University Research Foundation Columbus, OH **ORDER FROM: GPO** $1.50
14010FQR03/72	1401	**Reverse Osmosis Demineralization of Acid Mine Drainage** Rex Chainbelt, Incorporated, Ecology Division Milwaukee, WI **ORDER FROM: GPO** $1.00 **NTIS-PB** 211 020
14010FUI10/71	1401	**Foam Separation of Acid Mine Drainage** Horizons, Incorporated Cleveland, OH **ORDER FROM: GPO** 65¢ **NTIS-PB** 208 411
14010FYY09/71	1401	**Study of Sulfur Recovery from Coal Refuse** Black, Sivalls and Bryson, Incorporated Pittsburgh, PA **ORDER FROM: GPO** 70¢ **NTIS-PB** 203 488
14010FZU03/72	1401	**Legal Problems of Coal Mine Reclamation** Maryland School of Law, University of Baltimore, MD **ORDER FROM: GPO** $2.00 **NTIS-PB** 209 862
14010HBQ09/71	1401	**Feasibility Study Upper Meander Creek Mine Drainage Abatement Project** Stanley Consultants Cleveland, OH **ORDER FROM: GPO** 60¢ **NTIS-PB** 206 232
14030EDB12/71	1403	**Water Pollution Potential of Spent Oil Shale Residues** Colorado State University Fort Collins, CO **ORDER FROM: GPO** $1.25 **NTIS-PB** 206 808
14050EPU08/71	1405	**Utilization of Phosphate Slime** International Minerals and Chemical Corporation Skokie, IL **ORDER FROM: GPO** $1.25 **NTIS-PB** 203 191

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15010---01/69	1501	**Basic Waste Characteristics at Winter Recreation Areas** BY B. D. Clark, Pacific Northwest Water Laboratory, FWPCA Corvallis, OR **ORDER FROM: NTIS-PB** 208 437 $3.00
15010---03/70	1501	**Working Paper No. 68 – Evaluation of Extended Aeration Treatment at Recreation Areas** BY B. D. Clark, Pacific Northwest Water Laboratory, FWPCA Corvallis, OR **ORDER FROM: NTIS-PB** 208 436 $3.00
15020---06/67	1502	**Houseboat Wastes: Methods for Collection and Treatment** BY B. D. Clark, Pacific Northwest Water Laboratory, FWPCA Corvallis, OR **ORDER FROM: NTIS-PB** 208 439 $3.00
15020---04/68	1502	**Houseboat Waste Characteristics and Treatment** BY B. D. Clark, Pacific Northwest Water Laboratory, FWPCA Corvallis, OR **ORDER FROM: NTIS-PB** 208 438 $3.00
15020DGR08/70	1502	**Flexible Holding Tank for Pleasurecraft Sanitary System** Uniroyal, Incorporated Wayne, NJ **ORDER FROM: GPO** 55¢ **NTIS-PB** 201 700
15020DHB04/70	1502	**Storage of Wastes from Watercraft and Disposal at Shore Facilities** General Dynamics, Electric Boat Division Groton, CT **ORDER FROM: GPO** $1.00
15020DHE09/69	1502	**Collection, Underwater Storage, and Disposal of Pleasurecraft Wastes** Underwater Storage, Incorporated Washington, DC Silver Schwartz, Limited Washington, DC **ORDER FROM: NTIS-PB** 188 505 $3.00
15020DHG09/71	1502	**Watercraft Waste Treatment System Development and Demonstration Report** General Electric Company Philadelphia, PA **ORDER FROM: GPO** $1.25 **NTIS-PB** 208 345
15020ENN09/71	1502	**Control of Pollution from Outboard Engine Exhaust: A Reconnaissance Study** Rensselaer Polytechnic Institute Troy, NY **ORDER FROM: GPO** 50¢ **NTIS-PB** 206 192
15030DTL05/70	1503	**Urban Soil Erosion and Sediment Control** National Association of Counties Research Foundation Washington, DC **ORDER FROM: GPO** $1.00 **NTIS-PB** 196 111
15040EJZ12/70	1504	**Selective Withdrawal from a Stratified Reservoir** California, University of Berkeley, CA **ORDER FROM: GPO** $1.00 **NTIS-PB** 201 726
15080---03/69	1508	**Chemical Treatment of Oil Slicks** Edison Water Quality Laboratory, Federal Water Quality Administration Edison, NJ **ORDER FROM: NTIS-PB** 185 947 $3.00
15080---10/70	1508	**Oil Containment Systems** Edison Water Quality Laboratory, Federal Water Quality Administration Edison, NJ **ORDER FROM: NTIS-PB** 206 797 $3.00
15080DBO03/71	1508	**Conversion of Crankcase Waste Oil into Useful Products** National Oil Recovery Corporation Bayonne, NJ **ORDER FROM: GPO** $1.00 **NTIS-PB** 205 207
15080DJM07/70	1508	**Recovery of Oil Spills Using Vortex Assisted Airlift System** Battelle Memorial Institute Richland, WA **ORDER FROM: GPO** 50¢ **NTIS-PB** 203 489
15080DJN01/71	1508	**Gelling Crude Oils to Reduce Marine Pollution From Tanker Oil Spills** Western Company of North America Richardson, TX **ORDER FROM: GPO** $1.25 **NTIS-PB** 202 239

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15080DJO10/69	1508	**Oil Tagging System Study – Summary** Melpar, Incorporated Arlington, VA **ORDER FROM: NTIS-PB** 190 193 $3.00
15080DJO05/70	1508	**Oil Tagging System Study – Final Report** Melpar, Incorporated Arlington, VA **ORDER FROM: GPO** $1.50 **NTIS-PB** 195 283
15080DJP10/70	1508	**Oil/Water Separation System with Sea Skimmer** Garrett Corporation, Research Manufacturing Division Los Angeles, CA **ORDER FROM: GPO** $1.50 **NTIS-PB** 211 604
15080DJQ04/70	1508	**Ultrasonic Emulsification of Oil Tanker Cargo** Sonics International, Incorporated Dallas, TX **ORDER FROM: NTIS-PB** 193 674 $3.00
15080DOZ12/70	1508	**Testing and Evaluation of Oil Spill Recovery Equipment** Maine Port Authority Portland, ME **ORDER FROM: GPO** $1.50 **NTIS-PB** 200 081
15080DXE11/70	1508	**Feasibility Analysis of Incinerator Systems for Restoration of Oil Contaminated Beaches** Envirogenics Company, Division of Aerojet-General Corporation El Monte, CA **ORDER FROM: GPO** 75¢ **NTIS-PB** 198 227
15080DZR11/70	1508	**Santa Barbara Oil Pollution, 1969** California, University of Santa Barbara, CA **ORDER FROM: GPO** 55¢ **NTIS-PB** 197 670
15080EAG07/69	1508	**Review of Santa Barbara Channel Oil Pollution Incident** Battelle Memorial Institute, Pacific Northwest Laboratories Richland, WA **ORDER FROM: NTIS-PB** 191 712 $3.00
15080EAL02/71	1508	**Santa Barbara Oil Spill: Short-term Analysis of Macroplankton and Fish** California, University of Santa Barbara, CA **ORDER FROM: GPO** 70¢ **NTIS-PB** 212 782
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16080HTZ05/72	1608	**Polymer Film Overlay System for Mercury Contaminated Sludge – Phase I** BY M. M. Epstein, and M. U. Widman, Battelle Columbus Laboratories Columbus, OH **ORDER FROM: GPO** $1.00 **NTIS-PB** 214 688
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16080HVA01/72	1608	**Sand and Gravel Overlay for Control of Mercury in Sediments** BY L. H. Bongers, and M. N. Khattak, Martin Marietta Corporation, Research Institute for Advanced Studies Baltimore, MD **ORDER FROM: GPO** 55¢ **NTIS-PB** 211 165
16090---07/69	1609	**Use of Mathematical Models in Water Quality Control Studies** Northeastern University Boston, MA **ORDER FROM: NTIS-PB** 189 494 $3.00
16090DBJ08/70	1609	**Design of Water Quality Surveillance Systems** Cyrus Wm. Rice Division, NUS Corporation Pittsburgh, PA **ORDER FROM: NTIS-PB** 195 675 $19.00
16090DBX04/70	1609	**Evaluation of Dispersed Pollutional Loads from Urban Areas** Oklahoma, University of Norman, OK **ORDER FROM: NTIS-PB** 203 746 $3.00
16090DCL05/70	1609	**Delaware Estuary and Bay Water Quality Sampling and Mathematical Model Project** Delaware River Basin Commission Trenton, NJ **ORDER FROM: NTIS-PB** 193 799 $3.00
16090DEA12/69	1609	**Complementary-Competitive Aspects of Water Storage** Sacramento State College Foundation Sacramento, CA **ORDER FROM: NTIS-PB** 190 197 $3.00
16090DLU11/69	1609	**Economic Evaluation of Water Quality** California, University of Berkeley, CA **ORDER FROM: NTIS-PB** 189 169 $3.00
16090DQZ06/71	1609	**Research Supplement to Journal Water Pollution Control Federation** Water Pollution Control Federation Washington, DC **ORDER FROM: GPO** 45¢ **NTIS-PB** 213 041
16090DRM09/69	1609	**Model for Quantifying Flow Augmentation Benefits** Florida, University of Gainesville, FL **ORDER FROM: NTIS-PB** 188 208 $3.00
16090DUH02/71	1609	**Stochastic Modeling for Water Quality Management** Stochastics, Incorporated Blacksburg, VA **ORDER FROM: GPO** $3.00 **NTIS-PB** 203 427
16090DVU07/70	1609	**Computer Simulation of the Hydrologic-Salinity Flow System Within the Upper Colorado River Basin** Utah State University Logan, UT **ORDER FROM: NTIS-PB** 203 674 $3.00

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16090DWR06/70	1609	**Development of a Hydro-Quality Simulation Model** Utah State University, Utah Research Laboratory Logan, UT **ORDER FROM: NTIS-PB** 194 065 $3.00
16090FPW03/70	1609	**Legal Aspects of Water Storage for Flow Augmentation** Virginia Polytechnic Institute Blacksburg, VA **ORDER FROM: GPO** $1.75 **NTIS-PB** 195 170
16100---06/70	1610	**Biological Waste Treatment in the Far North** Alaska Water Laboratory, Federal Water Quality Administration College, AK **ORDER FROM: NTIS-PB** 195 673 $3.00
16100---10/70	1610	**Chena River – A Study of a Subarctic Stream** Alaska Water Laboratory, Federal Water Quality Administration College, AK **ORDER FROM: NTIS-PB** 197 857 $3.00
16100EXH11/71	1610	**International Symposium on Water Pollution Control in Cold Climates** Alaska, University of College, AK **ORDER FROM: GPO** $2.50 **NTIS-PB** 211 316
16100GOI09/71	1610	**Environmental Guidelines for Road Construction in Alaska** BY F. B. Lotspeich, Alaska Water Laboratory, EPA College, AK **ORDER FROM: NTIS-PB** 206 155 $3.00
16110DAJ12/70	1611	**Benefits of Water Quality Enhancement** Syracuse University Syracuse, NY **ORDER FROM: GPO** $1.75 **NTIS-PB** 207 358
16110DTF02/71	1611	**Economics of Water Supply and Quality** Harvard University Cambridge, MA **ORDER FROM: GPO** 50¢ **NTIS-PB** 202 698
16110EAX02/72	1611	**Basin Management for Water Reuse** Alamo Area Council of Governments San Antonio, TX **ORDER FROM: GPO** $2.25 **NTIS-PB** 209 932
16110EGQ04/72	1611	**Extensions of Mathematical Programming for Regional Water Quality Management** California, University of Los Angeles, CA **ORDER FROM: GPO** $1.00 **NTIS-PB** 212 008
16110EXW06/71	1611	**Factors Affecting Pollution Referenda** ABT Associates, Incorporated Cambridge, MA **ORDER FROM: GPO** $2.50 **NTIS-PB** 207 350
16110FIO01/72	1611	**Use of General Equilibrium in Regional Water Resource Planning** Georgetown University Washington, DC **ORDER FROM: GPO** $1.50 **NTIS-PB** 209 893
16110FPP11/71	1611	**Interstate Planning for Regional Water Supply and Pollution Control** Delaware River Basin Commission Trenton, NJ **ORDER FROM: GPO** $3.00 **NTIS-PB** 229 573/AS
16110FPX08/70	1611	**Mathematical Programming for Regional Water Quality Management** California, University of Los Angeles, CA **ORDER FROM: GPO** $1.25 **NTIS-PB** 195 830
16110FRU12/[illegible]01	1611	**River Basin Model: An Overview** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** $1.00 **NTIS-PB** 210 409
16110FRU12/71–02	1611	**River Basin Model: Director's Guide** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** $1.75 **NTIS-PB** 210 855
16110FRU12/71–03	1611	**River Basin Model: Economic Sector** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** $2.10 **NTIS-PB** 210 861

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16110FRU12/71-04	1611	**River Basin Model: Social Sector** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** $1.25 **NTIS-PB** 210 860
16110FRU12/71-05	1611	**River Basin Model: Chairman and Council** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** 70¢ **NTIS-PB** 212 007
16110FRU12/71-06	1611	**River Basin Model: Assessment Department** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** 75¢ **NTIS-PB** 211 143
16110FRU12/71-07	1611	**River Basin Model: School Department** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** $1.00 **NTIS-PB** 210 859
16110FRU12/71-08	1611	**River Basin Model: Municipal Services Department** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** $1.00 **NTIS-PB** 210 799
16110FRU12/71-09	1611	**River Basin Model: Utility Department** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** $1.25 **NTIS-PB** 210 410
16110FRU12/71-10	1611	**River Basin Model: Highway Department** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** $1.00 **NTIS-PB** 210 411
16110FRU12/71-11	1611	**River Basin Model: Planning and Zoning Department** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** 75¢ **NTIS-PB** 211 146
16110FRU12/71-12	1611	**River Basin Model: Computer Output** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** $2.00 **NTIS-PB** 210 703
16110FRU12/71-13	1611	**River Basin Model: The Social Science Laboratory** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** $2.00 **NTIS-PB** 213 657
16110FRU12/71-14	1611	**River Basin Model: The Transportation Sector** Envirometrics, Incorporated Washington, DC **ORDER FROM: GPO** $1.25 **NTIS-PB** 211 147
16110FZE09/70	1611	**Use of New Analytical Methods in Water Resource Development** Texas, University of Austin, TX **ORDER FROM: NTIS-PB** 195 829 $3.00
16110GNT02/72	1611	**Development of a State Effluent Charge System** Vermont Department of Water Resources, Agency of Environmental Conservation Montpelier, VT **ORDER FROM: NTIS-PB** 210 711 $7.50
16130---09/68	1613	**Industrial Waste Guide on Thermal Pollution** Pacific Northwest Water Laboratory, FWPCA Corvallis, OR **ORDER FROM: NTIS-PB** 197 262 $3.00
16130---12/68	1613	**Experimental Study of Warm Water Flow Into Impoundments – Part I** Minnesota, University of, St. Anthony Falls Hydraulic Laboratory Minneapolis, MN **ORDER FROM: NTIS-PB** 188 512 $3.00
16130---12/68	1613	**Experimental Study of Warm Water Flow Into Impoundments – Part II** Minnesota, University of, St. Anthony Falls Hydraulic Laboratory Minneapolis, MN **ORDER FROM: NTIS-PB** 188 513 $3.00

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16130---12/68	1613	**Experimental Study of Warm Water Flow Into Impoundments – Part III** Minnesota, University of, St. Anthony Falls Hydraulic Laboratory Minneapolis, MN **ORDER FROM: NTIS-PB** 188 514 $3.00
16130---09/69	1613	**Working Paper No. 67: Economic Aspects of Thermal Pollution Control in the Electric Power Industry** BY A. G. Christianson, and B. A. Tichenor, Pacific Northwest Water Laboratory, FWPCA Corvallis, OR **ORDER FROM: NTIS-PB** 208 434 $3.00
16130---04/70	1613	**Guidelines: Biological Surveys at Proposed Heat Discharge Sites** BY R. D. Harkins, Robert S. Kerr Water Research Center, EPA Ada, OK BY R. R. Garton, Pacific Northwest Water Laboratory, Federal Water Quality Administration Corvallis, OR **ORDER FROM: GPO** $1.00 **NTIS-PB** 206 815
16130---10/70	1613	**Thermoelectric Generators Powered by Thermal Waste from Electric Power Plants** BY M. A. Shirazi, Pacific Northwest Water Laboratory, Federal Water Quality Administration Corvallis, OR **ORDER FROM: GPO** 45¢ **NTIS-PB** 207 870
16130DFX05/70	1613	**Engineering-Economic Study of Cooling Pond Performance** Littleton Research and Engineering Corporation Littleton, MA **ORDER FROM: GPO** $1.50 **NTIS-PB** 206 817
16130DHS07/69	1613	**Survey of Alternate Methods for Cooling Condenser Discharge Water – Large Scale Heat Rejection Equipment** Dynatech R/D Company Cambridge, MA **ORDER FROM: GPO** $1.25 **NTIS-PB** 208 036
16130DHS08/70	1613	**Survey of Alternate Methods for Cooling Condenser Discharge Water – Operating Characteristics and Design Criteria** Dynatech R/D Company Cambridge, MA **ORDER FROM: GPO** $1.00 **NTIS-PB** 208 035
16130DHS11/70	1613	**Survey of Alternate Methods for Cooling Condenser Discharge Water – Total Community Considerations in the Utilization of Rejected Heat** Dynatech R/D Company Cambridge, MA **ORDER FROM: GPO** 65¢ **NTIS-PB** 206 816
16130DHS01/71	1613	**Survey of Alternate Methods for Cooling Condenser Discharge Water – System Selection, Design and Optimization** Dynatech R/D Company Cambridge, MA **ORDER FROM: GPO** $1.00 **NTIS-PB** 212 392
16130DJH01/71	1613	**Predictive Model for Thermal Stratification and Water Quality in Reservoirs** Massachusetts Institute of Technology Cambridge, MA **ORDER FROM: GPO** $2.00 **NTIS-PB** 211 621
16130DJH04/71	1613	**Temperature Prediction in Stratified Water: Mathematical Model – User's Manual** Massachusetts Institute of Technology, Ralph M. Parsons Laboratory Cambridge, MA **ORDER FROM: GPO** $1.25 **NTIS-PB** 210 701
16130DJU02/71	1613	**Analytical and Experimental Investigation of Surface Discharge of Heated Water** Massachusetts Institute of Technology Cambridge, MA **ORDER FROM: GPO** $1.75 **NTIS-PB** 210 134
16130DNE03/71	1613	**Advanced Nonthermally Polluting Gas Turbines in Utility Application** United Aircraft Corporation East Hartford, CT **ORDER FROM: GPO** $2.00 **NTIS-PB** 211 283

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16130DNH01/71	1613	**Potential Environmental Modifications Produced by Large Evaporative Cooling Towers** E G and G, Incorporated Boulder, CO **ORDER FROM: GPO** 75¢ **NTIS-PB** 210 702
16130DPU02/71	1613	**Research on the Physical Aspects of Thermal Pollution** Cornell Aeronautical Laboratory, Incorporated Buffalo, NY **ORDER FROM: GPO** $1.75 **NTIS-PB** 210 124
16130DWO10/70	1613	**Mathematical Models for the Prediction of Temperature Distributions Resulting from the Discharge of Heated Water into Large Bodies of Water** Tetra Technology, Incorporated Pasadena, CA **ORDER FROM: GPO** $1.75 **NTIS-PB** 208 034
16130EES11/70	1613	**Research on Dry-Type Cooling Towers for Thermal Electric Generation, Part I** R. W. Beck and Associates Denver, CO **ORDER FROM: GPO** $2.50 **NTIS-PB** 206 954
16130EES11/70	1613	**Research on Dry-Type Cooling Towers for Thermal Electric Generation, Part II** R. W. Beck and Associates Denver, CO **ORDER FROM: GPO** $1.00 **NTIS-PB** 210 778
16130ENT12/69	1613	**Thermal Pollution: Status of the Art** Vanderbilt University Nashville, TN **ORDER FROM:** (Vanderbilt – $4.00)
16130EXT12/69	1613	**Mathematical Models for the Prediction of Thermal Energy Change in Impoundments** Water Resources Engineers Incorporated Walnut Creek, CA **ORDER FROM: GPO** $1.50 **NTIS-PB** 210 126
16130FDQ03/71	1613	**Effect of Geographical Location on Cooling Pond Requirements and Performance** Vanderbilt University Nashville, TN **ORDER FROM: GPO** $2.00 **NTIS-PB** 208 031
16130FDQ03/71	1613	**Heated Surface Jet Discharged into a Flowing Ambient Stream** BY L. H. Motz, and B. A. Benedict, Vanderbilt University Nashville, TN **ORDER FROM: GPO** $1.75 **NTIS-PB** 211 284
16130FHJ09/70	1613	**Beneficial Uses of Waste Heat – An Evaluation** Pacific Northwest Water Research Laboratory, Federal Water Quality Administration Corvallis, OR **ORDER FROM: NTIS-PB** 201 724 $3.00
16130FSU12/71	1613	**Surface Discharge of Heated Water** BY H. Stefan, N. Hayakawa, and F. R. Schiebe, Minnesota, University of, St. Anthony Falls Hydraulic Laboratory Minneapolis, MN **ORDER FROM: GPO** $2.00 **NTIS-PB** 211 285
16130GFI06/71	1613	**Potential Environmental Effects of an Offshore Submerged Nuclear Power Plant, Vol. I** General Dynamics, Electric Boat Division Groton, CT **ORDER FROM: GPO** $2.50 **NTIS-PB** 208 281
16130GFI06/71	1613	**Potential Environmental Effects of an Offshore Submerged Nuclear Power Plant, Vol. II** General Dynamics, Electric Boat Division Groton, CT **ORDER FROM: GPO** $2.50 **NTIS-PB** 208 282
16130GKF12/70	1613	**Method for Predicting the Performance of Natural Draft Cooling Towers** Pacific Northwest Water Laboratory, EPA Corvallis, OR **ORDER FROM: GPO** 70¢ **NTIS-PB** 210 125
16130GNK10/71	1613	**Development and Demonstration of Low-Level Drift Instrumentation** Environmental Systems Corporation Knoxville, TN **ORDER FROM: NTIS-PB** 210 759 $5.00

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17010---10/68	1701	**Dilute Solution Reactions of the Nitrate Ion as Applied to Water Reclamation** Rocketdyne, Division of North American Rockwell Corporation Canoga Park, CA **ORDER FROM: NTIS-PB** 190 195 $3.00
17010---01/70	1701	**Treatment Techniques for Removing Phosphorus from Municipal Wastewaters** BY J. J. Convery, Advanced Waste Treatment Research Laboratory, Federal Water Quality Administration Cincinnati, OH **ORDER FROM: GPO** 50¢ **NTIS-PB** 199 072
17010---02/70	1701	**Electrochemical Method for Removal of Phosphates from Wastewater** BY Shafik E. Sadek, Dynatech R/D Company Cambridge, MA **ORDER FROM: GPO** 50¢ **NTIS-PB** 217 673
17010---10/70	1701	**Nitrogen Removal from Wastewaters** Advanced Waste Treatment Laboratory, Federal Water Quality Administration Cincinnati, OH **ORDER FROM: NTIS-PB** 212 280 $3.00
17010DBL12/70	1701	**Colloid Flotation and Adsorbing Colloid Flotation** Northeastern University Boston, MA **ORDER FROM: NTIS-PB** 205 001 $3.00
17010DDQ11/71	1701	**Mechanisms of Biological Luxury Phosphate Uptake** Arizona, University of, Department of Microbiology and Medical Technology Tucson, AZ **ORDER FROM: GPO** $1.00 **NTIS-PB** 201 465
17010DFV09/70	1701	**Phosphate Study at the Baltimore Back River Wastewater Treatment Plant** Baltimore, City of Baltimore, MD **ORDER FROM: GPO** $1.50 **NTIS-PB** 199 363
17010DHK08/69	1701	**Chemical Exfoliated Vermiculite for Removal of Phosphate from Wastewaters** BY J. Block, W. R. Grace and Company Clarksville, MD **ORDER FROM: GPO** 50¢ **NTIS-PB** 196 740
17010DHT09/70	1701	**Methanol Requirement and Temperature Effects in Wastewater Denitrification** Gulf South Research Institute New Iberia, LA **ORDER FROM: GPO** 50¢ **NTIS-PB** 198 221
17010DJA11/70	1701	**Investigation of a New Phosphate Removal Process** Envirogenics Company, Division of Aerojet-General Corporation El Monte, CA **ORDER FROM: GPO** $1.00 **NTIS-PB** 203 069
17010DRD07/70	1701	**Study of Nitrification and Denitrification** Aerojet-General Corporation El Monte, CA **ORDER FROM: GPO** $1.00 **NTIS-PB** 197 658
17010DXD08/70	1701	**Phosphorus Removal by an Activated Sludge Plant** Milwaukee, Sewerage Commission of the City of Milwaukee, WI **ORDER FROM: GPO** $1.00 **NTIS-PB** 227 517
17010DYB02/71	1701	**Phosphorus Removal and Disposal from Municipal Wastewater** Texas, University of, Medical Branch Galveston, TX **ORDER FROM: GPO** $1.25 **NTIS-PB** 218 415
17010EAP10/70	1701	**Feasibility of Liquid Ion Exchange for Extracting Phosphate from Wastewater** General Mills Chemicals, Incorporated Minneapolis, MN **ORDER FROM: GPO** 50¢ **NTIS-PB** 205 360
17010ECZ03/69	1701	**Ammonia Removal from Agricultural Runoff and Secondary Effluents by Selected Ion Exchange** Battelle Memorial Institute Richland, WA **ORDER FROM: NTIS-PB** 187 759 $3.00

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17010ECZ02/71	1701	**Wastewater Ammonia Removal by Ion Exchange** Battelle Pacific Northwest Laboratories Richland, WA South Tahoe Public Utility District South Lake Tahoe, CA **ORDER FROM: GPO** $1.25 **NTIS-PB** 209 934
17010EDO06/70	1701	**Phosphorus Removal Using Chemical Coagulation and a Continuous Countercurrent Filtration Process** Johns-Manville Products Corporation Manville, NJ **ORDER FROM: GPO** 65¢ **NTIS-PB** 196 734
17010EED07/70	1701	**Electro-Oxidation of Ammonia in Sewage to Nitrogen** Ionics, Incorporated Watertown, MA **ORDER FROM: GPO** 55¢ **NTIS-PB** 204 526
17010EER06/70	1701	**Mobile Pilot Plant for Removal of Phosphate from Wastewaters by Adsorption on Alumina** Battelle Memorial Institute Richland, WA **ORDER FROM: NTIS-PB** 212 374 $3.00
17010EEX10/70	1701	**Development of a Chemical Denitrification Process** Rocketdyne, Division of North American Rockwell Canoga Park, CA **ORDER FROM: GPO** 65¢ **NTIS-PB** 203 597
17010EFX04/70	1701	**Phosphate Removal from Wastewaters Using Lanthanum Precipitation** Atomics International, Division of North American Rockwell Corporation Canoga Park, CA **ORDER FROM: GPO** 55¢ **NTIS-PB** 196 738
17010EIP05/71	1701	**Soluble Phosphorus Removal in the Activated Sludge Process, Part I: Chemical-Biological Process Performance** Soap and Detergent Association New York, NY **ORDER FROM: GPO** $1.25 **NTIS-PB** 211 563
17010EIP10/71	1701	**Soluble Phosphorus Removal in the Activated Sludge Process, Part II: Sludge Digestion Study** Soap and Detergent Association New York, NY **ORDER FROM: GPO** 65¢ **NTIS-PB** 211 564
17010EKI04/70	1701	**Kinetics and Mechanism of Precipitation and Nature of the Precipitate Obtained in Phosphate Removal from Wastewater Using Aluminum (III) and Iron (III) Salts** Atomics International, Division of North American Rockwell Corporation Canoga Park, MA **ORDER FROM: GPO** 75¢ **NTIS-PB** 196 737
17010EKI09/71	1701	**Phosphate Precipitation with Ferrous Iron** BY M. Ghassimi, and H. L. Recht, Atomics International, Division of North American Rockwell Corporation Canoga Park, CA **ORDER FROM: GPO** 70¢ **NTIS-PB** 209 939
17010ELQ08/71	1701	**Advanced Wastewater Treatment as Practiced at South Tahoe** South Tahoe Public Utility District South Lake Tahoe, CA **ORDER FROM: GPO** $3.25 **NTIS-PB** 204 525
17010EVB11/70	1701	**Process Alternatives for Removal of Carbonaceous, Nitrogenous, and Phosphorus Materials from Concentrated Waste Streams** Engineering-Science, Incorporated Oakland, CA **ORDER FROM: GPO** 35¢
17010FAH07/70	1701	**Development of Phosphate Removal Processes** Detroit Metropolitan Water Department Detroit, MI **ORDER FROM: GPO** 65¢ **NTIS-PB** 203 192
17010FJY02/69	1701	**Alumina Columns for Selective Removal of Phosphorous from Wastewater** Battelle Pacific Northwest Laboratories Richland, WA **ORDER FROM: NTIS-PB** 189 405 $3.00

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17010FKA05/70	1701	**Development of a Pilot Plant to Demonstrate Removal of Carbonaceous, Nitrogenous and Phosphorus Materials from Anaerobic Digester Supernatant and Related Process Streams** FMC Corporation Santa Clara, CA **ORDER FROM: GPO** $1.00 **NTIS-PB** 196 733
17010FKF12/69	1701	**Basic Salinogen Ion-Exchange Resin for Selected Nitrate Removal from Potable and Effluent Waters** Tyco Laboratories, Incorporated Waltham, MA **ORDER FROM: GPO** $1.00 **NTIS-PB** 196 735
17010FMX01/71	1701	**Nitrification and Denitrification of Wastewater** Minnesota, University of Minneapolis, MN **ORDER FROM: NTIS-PB** 202 350 $3.00
17010FSJ01/71	1701	**Nitrate Removal from Wastewater by Ion Exchange** Dow Chemical Company Walnut Creek, CA **ORDER FROM: GPO** $1.00 **NTIS-PB** 204 527
17020---12/68	1702	**Investigation of Light-Catalyzed Chlorine Oxidation for Treatment of Wastewater** Midwest Research Institute Kansas City, MO **ORDER FROM: NTIS-PB** 187 757 $3.00
17020---12/68	1702	**Comparison of Expanded-Bed and Packed-Bed Adsorption Systems** FMC Corporation Santa Clara, CA **ORDER FROM: NTIS-PB** 187 756 $3.00
17020---04/69	1702	**Ozone Treatment of Secondary Effluent from Wastewater Treatment Plants** Air Reduction Company, Incorporated Murray Hill, NJ **ORDER FROM: NTIS-PB** 187 758 $3.00
17020---02/70	1702	**Soil Filter: A Treatment Process for Removal of Odorous Gases** Washington, University of Seattle, WA **ORDER FROM: NTIS-PB** 202 580 $3.00
17020---06/70	1702	**Effect of Surface Groups on Adsorption of Pollutants** Lehigh University Bethlehem, PA **ORDER FROM: GPO** 40¢ **NTIS-PB** 198 519
17020DAO02/69	1702	**Regeneration of Spent Granular Activated Carbon** MSA Research Corporation Evans City, PA **ORDER FROM: NTIS-PB** 189 955 $3.00
17020DAO07/70	1702	**Optimization of the Regeneration Procedure for Granular Activated Carbon** Mine Safety Appliances Research Corporation Evans City, PA **ORDER FROM: GPO** $1.25 **NTIS-PB** 208 205
17020DBA03/70	1702	**Ultrafiltrative Dewatering of Spent Powdered Carbon** Amicon Corporation Lexington, MA **ORDER FROM: GPO** 70¢ **NTIS-PB** 197 865
17020DDC06/71	1702	**Effect of Porous Structure on Carbon Activation** Colorado, University of, Chemical Engineering Department Boulder, CO **ORDER FROM: GPO** $1.00 **NTIS-PB** 210 145
17020DHR12/70	1702	**Use of Improved Membranes in Tertiary Treatment by Reverse Osmosis** McDonnell Douglas Corporation Newport Beach, CA **ORDER FROM: NTIS-PB** 203 206 $3.00
17020DNQ09/69	1702	**Study of Powdered Carbons for Waste Water Treatment and Methods for Their Applications** West Virginia Pulp and Paper Company Covington, WV **ORDER FROM: NTIS-PB** 191 538 $3.00

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17020DUD09/70	1702	**New Technology for Treatment of Wastewater by Reverse Osmosis** Envirogenics Company, Division of Aerojet-General El Monte, CA **ORDER FROM: GPO** 70¢ **NTIS-PB** 199 362
17020DUE09/70	1702	**Light-Catalyzed Chlorine Oxidation for Treatment of Wastewater** Midwest Research Institute Kansas City, MO **ORDER FROM: GPO** $1.00 **NTIS-PB** 202 230
17020DVJ05/69	1702	**Appraisal of Granular Carbon Contacting; Phase I and II** Swindell-Dressler Company Pittsburgh, PA **ORDER FROM: NTIS-PB** 190 168 $3.00
17020DVJ05/69	1702	**Appraisal of Granular Carbon Contacting; Phase III** Swindell-Dressler Company Pittsburgh, PA **ORDER FROM: NTIS-PB** 190 167 $3.00
17020DZO11/70	1702	**Carbon Column Operation in Waste Water Treatment** Syracuse University Syracuse, NY **ORDER FROM: NTIS-PB** 202 579 $3.00
17020ECI11/71	1702	**Feasibility Studies of Applications of Catalytic Oxidation in Wastewater** Illinois University, Southern Carbondale, IL **ORDER FROM: GPO** 75¢ **NTIS-PB** 208 348
17020EFA10/70	1702	**New and Ultrathin Membranes for Municipal Wastewater Treatment by Reverse Osmosis** North Star Research and Development Institute Minneapolis, MN **ORDER FROM: GPO** 70¢ **NTIS-PB** 202 237
17020FBD03/70	1702	**Development of a Fluidized-Bed Technique for the Regeneration of Powdered Activated Carbon** Battelle Memorial Institute Columbus, OH **ORDER FROM: GPO** 55¢ **NTIS-PB** 197 892
17020FKB07/70	1702	**Advanced Wastewater Treatment Using Powdered Activated Carbon in Recirculating Slurry Contactor-Clarifiers** BY C. F. Garland, and R. L. Beebe, Infilco Tucson, AZ **ORDER FROM: GPO** 75¢ **NTIS-PB** 197 890
17020GDN07/71	1702	**Improving Granular Carbon Treatment** FMC Corporation Princeton, NJ **ORDER FROM: GPO** $1.00 **NTIS-PB** 227 588
17030EOH01/70	1703	**Application of Hyperfiltration to Treatment of Municipal Sewage Effluents** Oak Ridge National Laboratory Oak Ridge, TN **ORDER FROM: GPO** 70¢ **NTIS-PB** 197 671
17030ESX04/70	1703	**Investigation of a High-Pressure Foam Wastewater Treatment Process** Garrett Research and Development Company, Incorporated LaVerne, CA **ORDER FROM: GPO** 45¢ **NTIS-PB** 197 863
17030FEB02/72	1703	**Fluidic Vortex Bubble Generator** Bowles Fluidics Corporation Silver Spring, MD **ORDER FROM: GPO** $1.00 **NTIS-PB** 210 808
17030FWH01/72	1703	**Filtration of Municipal Waste With a Moving Bed Contactor** BY F. O. Mixon, Environmental Studies Center, EPA Research Triangle Park, NC **ORDER FROM: GPO** 60¢ **NTIS-PB** 211 244

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17040---05/70	1704	**Renovation of Municipal Wastewater by Reverse Osmosis** Advanced Treatment Research Laboratory, Federal Quality Administration Cincinnati, OH **ORDER FROM: GPO** 65¢ **NTIS-PB** 199 067
17040---05/70	1704	**Study and Experiments in Waste Water Reclamation by Reverse Osmosis** Gulf General Atomic, Incorporated San Diego, CA **ORDER FROM: GPO** $1.25 **NTIS-PB** 198 092
17040DFC10/70	1704	**Feasibility Study of Regenerative Fibers for Water Pollution Control** Uniroyal, Incorporated Wayne, NJ **ORDER FROM: GPO** 75¢ **NTIS-PB** 208 821
17040DNM02/71	1704	**Feasibility of Treating Wastewater by Distillation** Florida, University of Gainesville, FL **ORDER FROM: GPO** $1.00 **NTIS-PB** 206 145
17040EEE12/71	1704	**Wastewater Demineralization by Ion Exchange** BY E. Kreusch, and K. Schmidt, Culligan International Company Northbrook, IL **ORDER FROM: GPO** $1.25 **NTIS-PB** 209 935
17040EFO06/70	1704	**Membrane Materials for Wastewater Reclamation by Reverse Osmosis** Gulf General Atomic, Incorporated San Diego, CA **ORDER FROM: GPO** 65¢ **NTIS-PB** 197 448
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68-01-0095	670/2-74-004	68-01-0743	660/2-74-072
68-01-0100	R2-73-185	68-01-0743	660/2-74-073
68-01-0102	R2-73-179a	68-01-0744	600/5-73-008a
68-01-0102	R2-73-179b	68-01-0744	600/5-73-008b
68-01-0102	R2-73-179c	68-01-0744	600/5-74-014
68-01-0102	R2-73-179d	68-01-0753	600/5-73-005
68-01-0106	R2-73-251	68-01-0759	600/4-73-001a
68-01-0111	R4-73-026	68-01-0759	600/4-73-001b
68-01-0120	670/2-73-031	68-01-0759	680/4-74-002
68-01-0121	R2-73-280a	68-01-0759	680/4-74-003
68-01-0121	R2-73-280b	68-01-0763	670/2-74-002
68-01-0124	670/2-73-078	68-01-0777	660/2-74-056
68-01-0135	670/2-73-081	68-01-0782	660/3-74-019
68-01-0139	670/2-73-069	68-01-0788	600/5-74-008
68-01-0140	R2-72-007	68-01-0887	660/2-74-013
68-01-0144	R5-72-001	68-01-0904	660/3-74-022
68-01-0150	R2-73-215	68-01-1805	600/5-74-001
68-01-0161	R2-72-127	68-01-1818	R5-73-024
68-01-0166	R4-73-011	68-01-1818	600/5-74-006
68-01-0167	660/2-73-003	68-01-1818	600/5-74-023
68-01-0168	R2-73-238	68-01-1832	R4-73-023a
68-01-0171	660/2-73-004	68-01-1832	670/4-74-003a
68-01-0173	R2-73-139	68-01-1832	670/4-74-003b
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68-01-0186	R2-73-293	68-01-1842	600/5-74-019

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68-01-1859	600/5-74-032	68-02-0230	650/2-74-026
68-01-1870	670/2-74-052	68-02-0230	650/2-74-087
68-01-1871	600/5-74-002	68-02-0242	R2-73-229
68-01-1871	600/5-74-016	68-02-0242	R2-73-285
68-01-1882	600/5-74-030	68-02-0242	R2-73-286
68-01-1888	600/5-74-018	68-02-0246	650/2-74-054
68-01-1898	600/5-74-015	68-02-0247	650/2-74-071a
68-01-2114	600/2-74-001	68-02-0250	650/2-74-075
68-01-2203	600/5-74-025	68-02-0251	R2-73-084a
68-01-2203	600/5-74-026	68-02-0251	R2-73-084b
68-01-2637	600/5-74-028	68-02-0252	R2-73-291
68-02-0007	R2-73-172	68-02-0256	650/2-73-036
68-02-0007	650/2-74-064	68-02-0264	650/2-73-005
68-02-0010	650/4-74-037	68-02-0270	650/2-74-045
68-02-0014	R4-73-016a	68-02-0272	650/4-74-003
68-02-0014	R4-73-016b	68-02-0273	650/2-73-035
68-02-0014	R4-73-016c	68-02-0273	650/2-74-102
68-02-0017	650/2-74-047	68-02-0277	650/2-73-004
68-02-0018	650/2-73-047	68-02-0279	650/2-73-003
68-02-0020	650/2-73-026	68-02-0284	650/2-74-074
68-02-0022	650/2-73-015	68-02-0284	650/2-74-092
68-02-0025	650/2-74-085a	68-02-0285	650/2-74-093
68-02-0054	650/2-73-027	68-02-0286	650/2-74-004
68-02-0078	R5-73-022	68-02-0287	650/3-74-004a
68-02-0080	650/1-73-004	68-02-0293	650/2-73-041
68-02-0087	R2-73-275	68-02-0300	650/2-73-039
68-02-0095	650/5-73-001	68-02-0300	650/2-74-109
68-02-0205	650/2-73-001	68-02-0307	650/2-73-043
68-02-0206	650/2-73-042	68-02-0310	650/4-74-015
68-02-0213	650/5-73-002	68-02-0316	R2-73-252
68-02-0214	650/4-74-014	68-02-0320	R2-72-106
68-02-0216	650/2-73-033a	68-02-0324	R2-73-160
68-02-0216	650/2-73-033b	68-02-0329	650/1-73-003
68-02-0217	650/2-73-048a	68-02-0332	650/2-74-061
68-02-0217	650/2-73-048b	68-02-0335	650/4-74-012
68-02-0217	650/2-73-048c	68-02-0336	R4-73-012a
68-02-0217	650/2-73-048d	68-02-0336	R4-73-012b
68-02-0218	650/2-74-105	68-02-0336	R4-73-012c
68-02-0219	R2-73-180	68-02-0339	R4-73-030a
68-02-0220	R2-72-051	68-02-0339	R4-73-030b
68-02-0220	R2-73-051a	68-02-0339	R4-73-030c
68-02-0222	R2-73-292a	68-02-0339	R4-73-030d
68-02-0223	R4-73-025a	68-02-0339	R4-73-030e
68-02-0223	R4-73-025b	68-02-0339	R4-73-030f
68-02-0223	650/4-73-001	68-02-0339	R4-73-030g
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68-02-0545	650/2-74-040	68-02-0629	650/2-74-009d
68-02-0546	650/2-74-029	68-02-0630	650/2-74-076
68-02-0551	650/2-73-010	68-02-0634	650/2-74-002a
68-02-0553	650/4-73-003	68-02-0637	650/2-74-119a
68-02-0557	650/3-73-002	68-02-0647	650/2-74-025
68-02-0558	R2-73-197	68-02-0650	650/2-74-062
68-02-0561	650/2-73-025	68-02-0650	650/2-74-062a
68-02-0563	650/2-74-014	68-02-0652	650/4-74-020
68-02-0564	650/2-73-050	68-02-0653	650/2-74-069
68-02-0566	650/2-74-044	68-02-0654	650/4-74-017
68-02-0569	R2-73-218	68-02-0656	650/2-74-020
68-02-0570	650/2-73-040	68-02-0657	650/2-74-006
68-02-0574	650/4-74-009	68-02-0658	650/2-73-009
68-02-0575	650/2-74-094	68-02-0662	650/2-74-008a
68-02-0578	650/2-73-052	68-02-0665	650/4-74-049
68-02-0579	650/2-74-016	68-02-0680	650/4-74-010
68-02-0580	650/4-74-011	68-02-0713	650/1-74-013
68-02-0580	650/4-74-040	68-02-0716	650/2-74-055
68-02-0581	650/2-74-060	68-02-0742	650/2-74-089
68-02-0585	650/2-73-032	68-02-0745	650/4-74-042
68-02-0587	650/2-73-030	68-02-0757	650/2-74-046a
68-02-0588	650/2-73-008	68-02-0757	650/2-74-046b
68-02-0590	650/2-74-039	68-02-0760	650/4-74-051
68-02-0591	650/2-74-133	68-02-0778	650/2-74-056
68-02-0594	R2-73-219	68-02-0782	650/2-74-065
68-02-0595	650/1-74-003	68-02-0788	650/4-74-052
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68-02-0598	R4-73-028b	68-02-0800	650/4-74-044
68-02-0598	R4-73-028c	68-02-0994	650/4-74-038
68-02-0600	650/2-73-007	68-02-1010	650/2-74-037a
68-02-0603	650/2-74-031a	68-02-1011	650/2-74-019
68-02-0603	650/2-74-031b	68-02-1015	650/4-74-007
68-02-0622	650/2-73-028	68-02-1068	650/2-74-106
68-02-0623	650/4-74-013	68-02-1074	650/2-74-078a
68-02-0623	650/4-74-021	68-02-1079	650/2-74-108
68-02-0623	650/4-74-024	68-02-1093	650/2-74-058
68-02-0623	650/4-74-025	68-02-1098	650/4-74-023
68-02-0625	650/2-74-103	68-02-1145	650/1-74-009
68-02-0626	650/4-74-022	68-02-1207	650/4-74-001
68-02-0626	650/4-74-026	68-02-1225	650/2-74-059
68-02-0626	650/4-74-028	68-02-1228	650/2-74-121
68-02-0626	650/4-74-029	68-02-1229	650/2-74-120
68-02-0626	650/4-74-033	68-02-1233	650/4-74-043
68-02-0626	650/4-74-039	68-02-1234	650/4-74-005a
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68-02-1238	650/4-74-006
68-02-1242	650/4-74-016
68-02-1274	650/1-74-008
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68-02-1303	650/2-74-124
68-02-1306	650/2-74-085b
68-02-1306	650/2-74-086a
68-02-1306	650/2-74-086b
68-02-1308	650/2-74-028
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68-02-1308	650/2-74-098
68-02-1308	650/2-74-116
68-02-1308	650/2-74-127
68-02-1308	650/2-74-130
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68-02-1320	650/2-74-041
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68-02-1323	650/2-74-099
68-02-1323	650/2-74-100
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68-02-1325	650/2-74-118
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68-02-1348	650/2-74-090
68-02-1352	650/2-74-030
68-02-1353	650/2-74-088
68-02-1363	650/4-74-019a
68-02-1363	650/4-74-046
68-02-1480	650/2-74-129
68-02-1973	650/2-73-045
68-02-2012	650/2-73-044
68-03-0006	670/2-73-052
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68-03-0047	670/5-74-003
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68-03-0050	670/2-73-066
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68-03-0060	670/2-73-056
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68-03-0138	670/2-74-078
68-03-0154	670/2-74-045
68-03-0155	R2-73-261
68-03-0156	670/2-73-086
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68-03-0233	660/2-73-026
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EP-00250	670/2-73-063
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EP-00259	670/2-73-072
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11010 ELP	670/2-73-024
11010 ENK	670/2-73-103
11010 EZQ	670/2-73-098
11010 FDI	R2-73-138
11010 FLQ	670/2-73-050
11010 FYM	670/2-73-033
11010 GWI	600/2-73-004
11020 DSQ	R2-73-149
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11023 FIY	R2-72-070
11023 FWT	R2-73-124
11023 GSC	R2-72-008
11024 EVF	600/2-73-002
11024 FEJ	R2-73-170
11024 GRF	R2-72-082
11030 DNK	R2-73-139
11030 DSL	R2-73-242
11030 FLN	R2-72-068
11030 FUJ	R2-72-081
11034 FUJ	R2-73-283
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11060 DLF	R2-73-236
11060 DRO	660/2-73-038
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12010 DFS	R2-73-287
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12010 FPK	R2-73-247a
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12040 DRY	660/2-74-008
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12060 EIG	660/2-74-088
12060 EKQ	660/2-74-012
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12060 HCW	660/2-74-059	14010 FJX	R2-73-169
12060 HNG	660/2-74-046	14010 FKX	R2-72-130
12060 PAV	R2-73-198	14010 FMM	R2-72-069
12070 HEK	660/2-73-023	14010 FNJ	R2-72-056
12080 GCH	660/2-74-040	14010 GYH	R2-73-150
12080 HBM	R2-73-003	14010 HHG	R2-73-142
12090 ECX	R2-73-058	14010 HJQ	R2-73-151
12090 EQO	R2-73-248	14010 HNS	R2-72-119
12090 FWD	R2-73-260	14010 HQC	670/2-74-009
12090 FZB	R2-73-048	14020 DLN	R2-72-014
12090 HLO	660/2-74-039	14020 EHW	660/2-74-019
12100 EBG	R2-73-085	14020 FVW	660/2-74-037
12100 EZU	R2-73-195	14040 FVD	660/2-74-018
12110 GLP	660/2-73-018	14040 FZC	670/2-73-080
12120 DOD	R2-73-108	15010 PBK	670/2-73-088
12120 EFM	R2-73-209	15020 GYM	R2-73-226
12120 ERF	R2-73-269	15030 FMZ	R2-72-015
12120 FYV	660/2-73-037	15030 FMZ	660/2-73-035
12120 GLE	660/2-74-007	15030 HIX	660/2-74-043
12130 DBF	660/2-73-010	15040 EJZ	R2-72-037
12130 EKK	660/2-74-020	15080 EHP	R2-72-033
12130 HFX	660/2-73-036	15080 EJQ	670/2-73-099
12130 HRA	660/2-74-055	15080 EOT	R2-72-045
13020 DTV	660/2-74-005	15080 FIG	R2-73-233
13020 DWH	660/2-74-033	15080 FVP	R2-73-112
13020 EBL	660/2-74-032	15080 FVP	R2-73-113
13030 DOA	R2-72-047	15080 FVP	R2-73-114
13030 FDJ	R2-73-235	15080 FVP	R2-73-115
13030 FDJ	R2-73-265	15080 FVP	R2-73-116
13030 FDJ	R2-73-266	15080 FVP	R2-73-117
13030 FVN	R2-72-094	15080 FVP	R2-73-181
13030 FVN	R2-73-271	15080 FWL	R2-73-205
13040 DDG	R2-73-095	15080 GBJ	R2-72-006
13040 DFN	660/2-74-030	15080 HBO	R2-73-293
13040 DPA	R2-73-095	15080 HDJ	R2-73-221
13040 EGH	R2-73-096	15080 HDL	R2-73-102
13040 ERR	660/2-74-009	15080 HER	R2-73-166
13040 EVM	660/2-74-047	15080 HET	670/2-73-068
13040 FTX	R2-73-245	15080 HEU	R2-72-049
13040 FUU	R2-72-101	15080 HEV	R2-73-156
13040 FYK	660/2-74-057	15080 HOC	R2-73-280a
14010 DDH	R2-73-230	15080 HOC	R2-73-280b
14010 DSC	R2-73-140	15080 HOK	R2-72-007
14010 EAH	R2-72-002	15080 HOP	R2-73-215
14010 EFJ	670/2-73-092	15090 GLU	R2-72-010
14010 EFL	670/2-73-054	15090 HGP	R2-73-185

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16010 DEG	R3-73-039	16080 FYW	660/2-73-025a
16010 DFI	660/3-73-001	16080 FYW	660/2-73-025b
16010 DHN	660/3-73-003	16080 GNC	R2-73-179a
16010 DUA	R3-73-024	16080 GNC	R2-73-179b
16010 DZK	R3-73-037	16080 GNC	R2-73-179c
16010 ECQ	R3-72-004	16080 GNC	R2-73-179d
16010 EDJ	660/3-73-006	16080 GWU	R2-72-077
16010 EHR	R3-73-044	16080 HTY	R2-72-043
16010 EJH	660/3-73-015	16090 FSR	R5-73-020
16010 ELF	660/3-74-017	16090 FUO	R5-73-014
16010 EQQ	660/2-74-010	16090 HOJ	R5-72-001
16010 HIU	R3-73-018	16100 FWQ	660/3-73-018
16020 DHD	670/2-73-079	16100 PAK	660/2-73-017
16020 EAO	R2-73-217	16110 DPT	R5-73-013
16020 EDG	660/2-74-021	16110 DWX	R5-73-015
16020 EGG	660/3-74-026	16110 DYX	R5-73-019
16020 GCQ	R2-73-177	16110 EDC	R5-73-018
16020 GIY	R2-72-004	16110 FPZ	R5-73-008
16020 GIY	670/4-74-004	16110 GEW	600/5-74-013
16020 GSB	R4-73-026	16120 HVR	R3-73-028a
16020 GVY	R2-72-057	16120 HVR	R3-73-028b
16020 HJE	R4-73-011	16120 HVR	R3-73-028c
16030 ELZ	660/2-73-027	16130 DGM	R2-73-162
16040 EXD	R2-73-227	16130 DIP	R2-73-259
16040 FRL	660/2-73-008	16130 DJU	R2-73-133
16050 DDK	660/3-73-009	16130 ERN	R2-72-074a
16050 DIL	660/3-73-011	16130 ERN	R2-72-074b
16050 DXB	R3-73-005	16130 FDQ	660/2-73-012
16050 DXM	660/3-73-008	16130 FLM	R2-73-161
16050 EDT	R3-72-012	16130 FOK	R2-72-083
16050 EPV	R3-72-003	16130 GNK	660/2-73-011
16050 ESP	R3-72-003	16130 GSD	660/2-73-003
16050 ESP	660/3-74-002	16130 HKK	660/2-73-004
16050 EYS	R3-72-003	17010 DRF	R2-72-034
16050 EYV	R3-72-003	17010 DTG	R2-72-076
16050 GQQ	660/3-73-025	17010 DUX	R2-72-031
16060 HNI	R2-73-267	17010 DZG	R2-73-279
16070 DEP	660/3-74-004a	17010 EBM	670/2-73-027
16070 DEP	660/3-74-004b	17010 EDR	R2-73-109
16070 DGY	660/3-73-010	17010 EPM	R2-73-158
16070 EKZ	660/3-73-005	17010 FSJ	R2-73-199
16070 FBY	660/2-73-029	17010 HAM	R2-72-123
16080 DYJ	660/2-74-016	17020 DYC	R2-73-146
16080 ERP	R2-72-078	17020 EFB	R2-73-264
16080 ERQ	R2-72-111	17020 EPF	670/2-74-012
16080 FBH	660/2-73-022	17020 EVQ	R2-72-104

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17020 FEV	R2-73-228	18050 DYC	R3-73-011a
17030 DGQ	R2-73-147	18050 DYC	R3-73-011b
17030 DLX	R2-72-053	18050 DYC	R3-73-011c
17030 DMA	670/2-73-074	18050 EDH	R3-73-009
17030 DUW	670/2-74-047	18050 ELT	660/3-74-006
17030 EYA	R2-72-032	18050 FKT	R3-73-006
17030 HMM	R2-73-222	18050 FLS	660/3-73-004
17040 DSR	670/2-74-077	18050 FOG	R3-73-021
17040 FEE	R2-72-103	18080 DFU	660/3-74-014
17040 FKG	R2-73-240	18080 DLR	R3-73-035
17050 DCC	R2-73-159	18080 FBW	660/3-74-031
17050 DGJ	R2-73-278	18080 PCW	R3-73-033
17050 EEY	670/2-74-048	800055	660/2-73-032
17050 EGI	R2-73-183	800055	670/2-73-032
17050 ENM	R2-72-065	800150	650/2-74-034
17060 DNU	670/2-73-029	800250	660/2-74-091
17060 EYZ	670/2-73-082	800261	660/2-73-019
17070 DIW	R2-72-050	800278	660/2-74-052
17070 DIZ	R2-73-213	800278	660/2-74-084
17070 ENP	R2-73-143	800316	650/2-74-110
17070 FBE	R2-73-282	800351	670/2-74-032
17070 HDA	670/2-74-004	800369	660/3-73-009
17080 DAR	R2-72-064	800373	660/3-74-016
17080 DOI	R2-73-122	800397	650/4-74-032
17080 EDV	R2-73-206	800397	650/4-74-045a
17080 EDV	R2-73-239	800397	650/4-74-045b
17080 FSF	R2-73-250	800400	660/2-74-005
17080 FSF	670/2-73-064	800401	660/2-74-033
17090 DRU	R2-73-237	800426	R2-73-271
17090 EEV	R2-72-075	800510	660/3-73-022
17090 FDO	R2-73-144	800602	670/2-74-030
17090 FJU	R2-73-224	800613	660/2-73-012
17090 FWA	R2-73-263	800613	660/2-74-085
17090 FYZ	R2-73-176	800650	670/2-74-013
17090 GAF	R2-73-165	800674	670/5-74-004
18040 DGI	R1-73-001	800678	660/2-74-003
18050 DBW	R3-73-002	800680	660/2-73-024
18050 DDM	R3-73-010	800685	670/2-73-060
18050 DET	660/3-74-003	800707	670/2-73-022
18050 DFQ	660/3-73-016	800745	670/2-74-070
18050 DIJ	660/3-73-020	800746	660/2-74-046
18050 DJZ	R3-73-019	800747	660/2-74-025
18050 DLO	R3-73-046	800766	670/2-74-016
18050 DMB	660/3-73-017	800767	660/2-74-063
18050 DOG	R3-73-032	800842	650/2-74-011
18050 DPL	660/3-73-019	800853	660/2-74-029
18050 DTX	R3-72-017	800854	660/2-74-071
18050 DWQ	R3-73-045	800866	650/2-73-011

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800904	660/2-74-061	801603	650/2-74-063
800909	660/2-74-004	801615	650/2-74-027
800921	660/2-74-048	801628	600/2-74-005
800935	660/2-74-074	801647	660/2-74-034
800943	660/2-74-053	801650	650/1-74-011
800950	650/2-74-095	801658	670/2-73-043
800989	660/3-74-027	801662	660/2-74-064
800991	660/2-74-079	801666	660/2-74-068
800957	660/2-73-002	801835	660/2-74-054
801000	600/5-74-022	801870	670/5-74-007
801029	660/2-73-027	801870	670/5-74-008
801036	660/3-74-007	801870	670/5-74-009
801039	660/3-73-018	801876	660/2-74-044
801040	R2-73-265	801945	650/4-74-041
801040	R2-73-266	802005	650/1-74-002
801120	650/4-74-004	802009-01	660/2-74-023
801136	650/3-74-006	802032	660/2-74-011
801174	650/3-74-011	802254	670/2-73-104
801207	660/2-73-030	802254	670/2-74-008
801226	600/5-74-027	802269	650/2-74-080
801234	600/5-74-011	802270	650/2-74-051
801243	R5-73-011	802291	650/2-74-048
801303	670/2-73-091	802402	650/2-74-032
801321	650/2-73-020	802419-01	650/2-74-096
801340	650/3-74-007	802441	600/5-73-009
801343	660/3-74-020	802444	600/5-74-021
801361	660/3-73-023	802495	670/4-74-005
801362	660/3-73-024	IAG0020	R2-73-253
801374	600/5-73-016	IAG0020(D)	650/2-74-038
801376	600/5-73-015	IAG0077(D)	650/2-74-113
801393	650/1-74-010	IAG0085(D)	650/2-73-006
801411	600/5-74-020	IAG0089(D)A	R2-73-182
801417	660/2-74-077	IAG0122(D)	R4-73-029
801445	R2-73-250	IAG0134(D)	650/2-73-051
801446	650/2-74-007	IAG0139(D)	650/2-74-070
801454-01	660/2-74-024	IAG0149(D)	650/2-74-104
801470	650/1-74-012	IAG0177(D)	650/2-73-034
801473	600/5-73-012a	IAG0199(D)	650/2-74-057
801473	600/5-73-012b	IAG0215	650/2-74-125
801473	600/5-73-012c	IAG31990A	650/2-74-049a
801473	600/5-73-012d	IAG4H374(D)	600/5-74-031
801473	600/5-73-012e	IAG40377(D)	650/4-74-030
801481	600/5-74-029	IAG690114	R2-72-063
801484	660/2-74-006	TV-30541A	650/2-73-019a
801490	650/2-73-014	TV-30541A	650/2-73-019b
801500	600/5-74-024	TV-30541A	650/2-73-019c
801521	600/5-73-007		
801522	600/5-73-011		